

User Guide



42"/46" LCD TV

NS-L42Q120-10A/NS-L46Q120-10A



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CHILD SAFETY

It makes a difference how and where you use your flat panel display

As you enjoy your new product, keep these safety tips in mind

The issue

The home theater entertainment experience is a growing trend, and larger TVs are popular purchases. However, TVs are not always supported on the proper stands or installed according to the manufacturer's recommendations. We and the consumer electronics industry are committed to making home entertainment enjoyable and safe.

TVs that are inappropriately placed on dressers, bookcases, shelves, desks, speakers, chests, or carts may fall over and cause injury.

Tune into safety

- One size of TV stand does **not** fit all. Use only a TV stand rated for the weight of your TV.
- Carefully read and understand all enclosed instructions for proper use of this product.
- Don't let children climb on or play with entertainment system furniture and TVs.
- Don't place TVs on furniture that can easily be used as steps, such as a chest of drawers.
- Remember that children can become excited while watching a program, especially on a "larger-than-life" TV. Make sure that you place or install the TV where it cannot be pushed, pulled over, or knocked down.
- Make sure that you route all cords and cables so that they cannot be pulled or grabbed by curious children.



Wall mounting

If you decide to wall mount your TV, always remember:

- One size of wall mount does **not** fit all. Use only a wall mount rated for the weight of your TV and that has been recommended by this TV manufacturer, listed in this manual, or otherwise listed by an independent laboratory as suitable for your TV.
- Follow all instructions supplied by the TV and wall mount manufacturers.
- If you have any doubts about your ability to safely wall mount your TV, get help from a professional installer.
- Make sure that the wall where you are mounting the TV is appropriate. Some wall mounts are not designed to be mounted to walls backed with steel studs or cinder blocks. If you are unsure, ask a professional installer.
- TVs can be heavy. At least two people are required for safe wall mount installation.




Important safety instructions



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within your TV. This label is located on the back of your TV.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying your TV.

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.
- 6 Clean only with a dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.  S3125A
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

- 15 The *wall plug* is the disconnecting device. The plug must remain readily operable.
- 16 An apparatus with three-prong, grounding-type plug is a Class I apparatus. Class I apparatus which needs to be grounded to prevent possible electric shock. Make sure that you connect the Class I apparatus to a grounding-type, three-prong outlet.
- 17 Remote control batteries should not be exposed to excessive heat such as sunshine, fire, or the like.
- 18 The apparatus should not be exposed to dripping or splashing, and no objects filled with liquids, such as vases, should be placed on the apparatus.

Warnings

Electric shock hazard

To reduce the risk of fire or electric shock, do not remove any cover or expose the device to rain or moisture. No user-serviceable parts are inside. Refer servicing to qualified service technicians.

Lightning

For added protection for your device receiver during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the power outlet and disconnect any antenna or cable system. This helps prevent property damage and personal injury from lightning and power line surges.

Power lines

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

Handling the LCD panel

- Your TV's screen is made of glass. Do not drop your TV or hit, jolt, or press hard against the LCD panel. If the screen breaks, be careful of broken glass.
- If the LCD panel is broken, make absolutely sure that you do not touch the liquid in the panel. This may cause skin inflammation.
- If the liquid gets in your mouth, immediately gargle, rinse, and consult with your doctor. Also, if the liquid gets in your eyes or touches your skin, consult with your doctor after rinsing for at least 15 minutes or longer in clean water.

Replacement parts

When replacement parts are required, make sure that the service technician uses replacement parts specified by the manufacturer that have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, personal injury, or other hazards.

Safety check

After completing any service or repair to this device, ask the service technician to perform routine safety checks to determine that your TV is in correct operating condition.

Power source

Operate your TV only from the type of power source indicated on the marking label. If you are not sure of the type of power supplied to your home, consult an electrician or your local power company.

Cautions

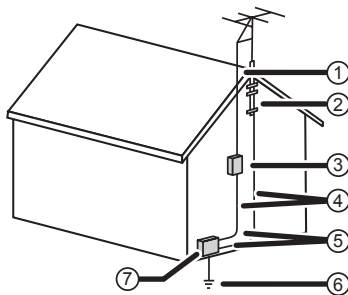
Damage requiring service

Unplug this TV from the power outlet and refer servicing to qualified service personnel under the following conditions:

- When the power supply cord or plug is damaged or frayed.
- If liquid has been spilled or objects have fallen into your TV.
- If your TV has been exposed to rain or water.
- If your TV does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions because incorrect adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore your TV to its normal operation.
- If your TV has been dropped or damaged in any way.
- When your TV exhibits a distinct change in performance.

Outdoor antenna grounding

If an outside antenna or cable system is connected to your TV, make sure that the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA No. 70, provides information with respect to correct grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of the antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.



- ① Antenna lead-in wire
- ② Grounding clamp
- ③ Antenna discharge unit
- ④ Grounding conductors
- ⑤ Ground clamps
- ⑥ Power service grounding electrode system
- ⑦ Electric service equipment

Note to CATV system installer

Article 820 of the National Electrical Code, ANSI/NFPA No. 40 provides guidance for correct grounding. Specifically, it states that the cable ground must be connected to the grounding system of the building as close to the point of cable entry as practical.

Condensation

Moisture will form on the TV if the TV is brought from cool surroundings into a warm room or if the temperature of the room rises suddenly. When this happens, the TV's performance may be impaired. To prevent this, let the TV stand in its new surroundings for about an hour before switching it on, or make sure that the room temperature rises gradually.

Condensation may also form during the summer if the TV is exposed to the breeze from an air conditioner. In such cases, change the location of the TV.

Mobile telephone warning

To avoid interference with your TV picture and sound, operating problems, or even damage, keep your cordless and cellular telephones away from the TV.

End of life directives

Your TV contains tin-lead solder and a fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated for environmental reasons. Your TV also contains material that can be recycled and reused. For disposal or recycling information, contact your local authorities or the Electronic Industries Alliance at www.eia.org to find a recycler in your area.

Non-active pixels

The LCD panel contains almost 3 million thin film transistors, which provide exceptionally sharp video quality. Occasionally, a few non-active pixels may appear on the screen as a fixed blue, green, or red point. These non-active pixels do not adversely affect the performance of your TV, and are not considered defects.

42"/46" LCD TV

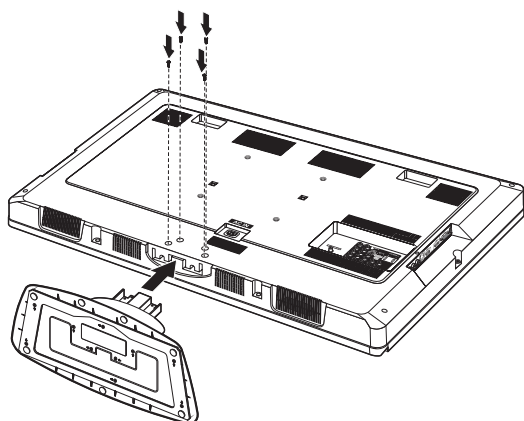
Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-L42Q120-10A or NS-L46Q120-10A represents the state of the art in LCD TV design and is designed for reliable and trouble-free performance.

Installing the stand

To install the stand:

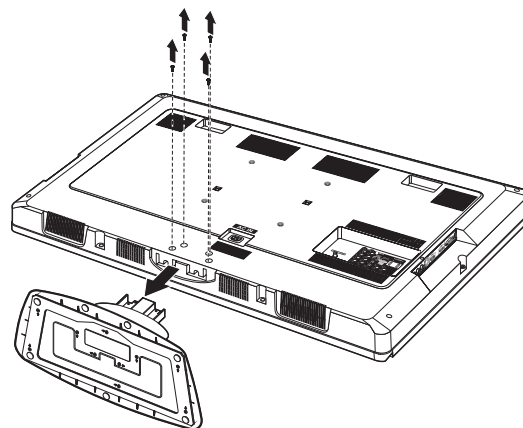
- 1 Place a cushion or cloth on a flat surface, such as a table, then place the TV face down on the cushion or cloth.
- 2 Insert the stand into the TV base, then secure the stand to the base with the four provided M4 × L10 mm screws.



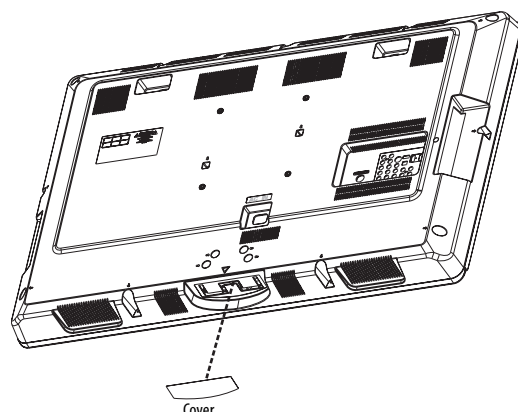
Note

To remove the base, reverse Step 2.

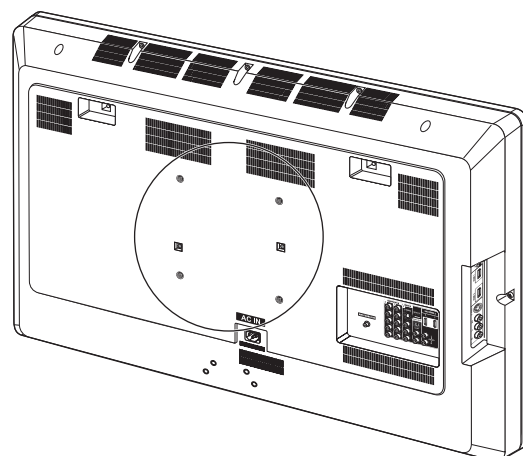
- 2 Remove the four screws that secure the stand to the base, then remove the base.



- 3 Attach the included TV base cover to the TV base to prevent debris from entering your TV after it is mounted on the wall.



- 4 Attach the wall-mount bracket with the four screws that come with the wall-mount bracket kit.



Installing a wall-mount bracket

To install a wall-mount bracket:

Warning

These servicing instructions are for use by qualified service personnel only. To reduce the risk of hazards, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

- 1 Place a cushion or cloth on a flat surface, such as a table, then place the TV face down on the cushion or cloth with the stand extended over the edge of the table.

TV components

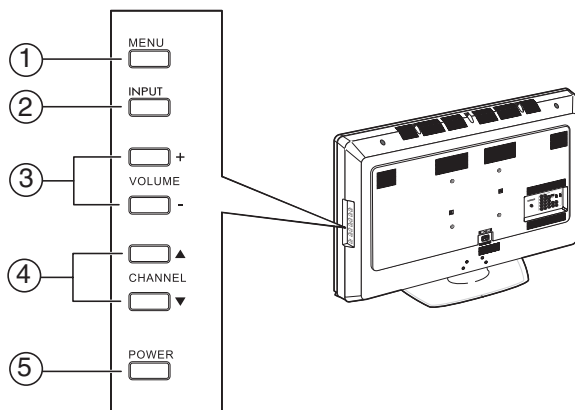
Accessories

- Remote control
- Remote control holder
- Batteries AA (2)
- AC power cord
- TV stand
- TV base cover
- Screws for TV stand
- Component video cable
- Audio cable
- Cleaning cloth
- User Guide
- Quick Setup Guide

Cleaning cloth

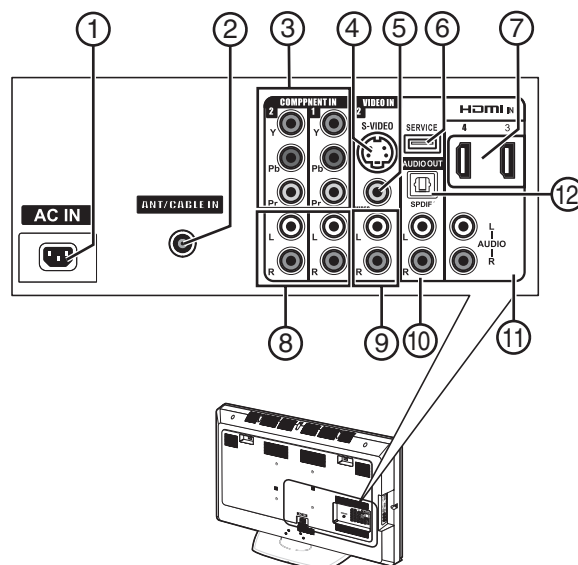
The cleaning cloth is for cleaning the TV screen only. Do not use the cleaning cloth to clean any other part of your TV.

Side controls



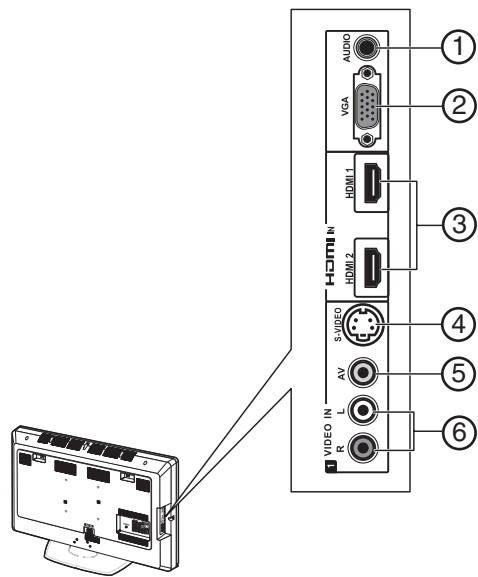
| # | Button | Description |
|---|-------------|---|
| ① | MENU | Press to open the on-screen menu. |
| ② | INPUT | Press to select the video input source. |
| ③ | VOLUME +/- | Press to increase or decrease the volume. |
| ④ | CHANNEL ▲/▼ | Press to go to the next or previous channel in the channel list. |
| ⑤ | POWER | Press to turn your TV on or off (standby mode). When your TV is in standby mode, electricity still flows into it. To disconnect all power, unplug the power cord. |

Back



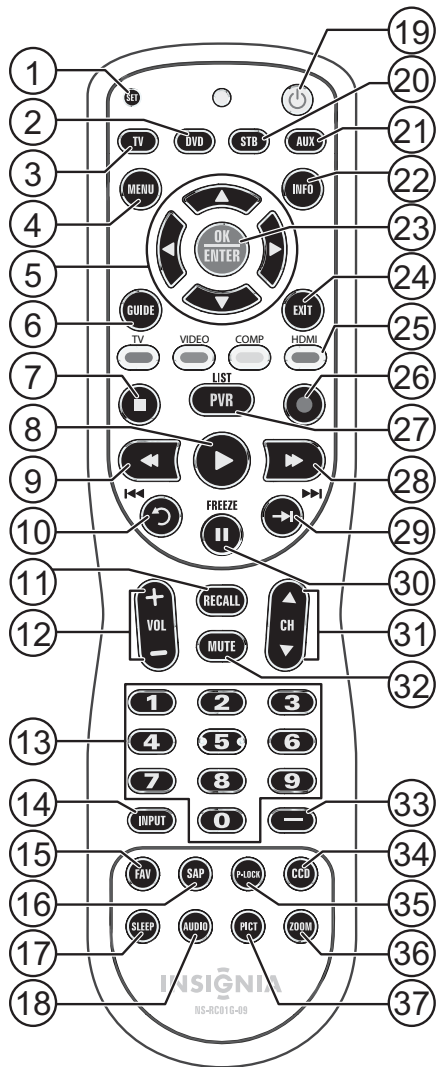
| # | Item | Description |
|---|------------------------|---|
| ① | AC IN | Connect the power cord to this jack and to a power outlet. |
| ② | ANT./CABLE IN | Connect an antenna or cable TV to this jack. |
| ③ | COMPONENT IN 1 and 2 | Connect the video for a component video device to these jacks. |
| ④ | VIDEO IN 2 S-VIDEO | Connect the video for an S-Video device to this jack. |
| ⑤ | VIDEO IN 2 VIDEO | Connect the video for a composite video device to this jack. |
| ⑥ | SERVICE | For service only. |
| ⑦ | HDMI IN 3 and 4 | Connect HDMI devices to these jacks. An HDMI cable carries both video and audio signals. You do not need to make an audio connection. |
| ⑧ | COMPONENT IN L/R audio | Connect the audio for the device connected to the COMPONENT IN 1 or COMPONENT IN 2 jacks to these jacks. |
| ⑨ | VIDEO IN 2 L/R audio | Connect the audio for the device connected to the VIDEO 2 VIDEO or S-VIDEO jack to these jacks. |
| ⑩ | AUDIO OUT L/R | Connect an analog audio amplifier to these jacks. |
| ⑪ | HDMI/DVI IN L/R audio | Connect the audio for a DVI device to these jacks. |
| ⑫ | AUDIO OUT SPDIF | Connect a digital audio amplifier to this jack. |

Side



| # | Item | Description |
|---|-----------------|---|
| ① | VGA AUDIO | Connect the audio for a computer to this jack. |
| ② | VGA | Connect the video for a computer to this jack. |
| ③ | HDMI 1/HDMI 2 | Connect HDMI devices to these jacks. The HDMI cable carries both video and audio signals, so a separate audio connection is not required. |
| ④ | VIDEO 1 S-VIDEO | Connect an S-Video device to this jack. |
| ⑤ | VIDEO 1 AV | Connect a composite video device to this jack. |
| ⑥ | VIDEO 1 L/R | Connect the audio for the device connected to the VIDEO 1 AV or S-VIDEO jack to these jacks. |

Remote control



| # | Button | Description |
|---|----------|--|
| ① | SET | Press to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| ② | DVD | Press to control a connected DVD player. You must program the remote control before this button works. For more information, see "Programming your remote control" on page 9. |
| ③ | TV | Press to control your TV. |
| ④ | MENU | Press to open the on-screen menu. |
| ⑤ | ◀▶▲▼ | Press to move left, right, up, or down in on-screen menus. |
| ⑥ | GUIDE | Press to display the program guide. For more information, see "Displaying additional information" on page 21. |
| ⑦ | ■ (stop) | Press to stop playback on DVD, DVR, PVR, or CD devices. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| ⑧ | ▶ (play) | Press to start playback on DVD, DVR, PVR, or CD devices. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |

| # | Button | Description |
|---|-----------------------|---|
| ⑨ | ◀◀ (fast reverse) | Press to fast reverse on DVD, DVR, PVR, or CD devices. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| ⑩ | ◀◀ / ▶▶ (skip back) | In DVD, DVR, PVR, or CD mode, press to skip back to the previous title or track. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| ⑪ | RECALL | In TV mode, press to return to the previous channel. |
| ⑫ | VOL+/VOL- | Press to increase or decrease the volume. |
| ⑬ | Numbers | Press to enter channel numbers and the parental control password. When programming the remote control, press to enter device and programming codes. |
| ⑭ | INPUT | Press to open the Source List , then press ▲ or ▼ to cycle through the available input sources. For more information, see "Selecting the video input source" on page 19. |
| ⑮ | FAV | Press to open the Favorite Channel list. For more information, see "Setting up a favorite channel list" on page 26. |
| ⑯ | SAP | In analog TV mode, press to select Stereo , Mono or SAP . In digital TV mode, press to select the audio track (language). For more information, see "Selecting the sound mode or audio language" on page 25. |
| ⑰ | SLEEP | Press to set the sleep timer. You can select Off , 5 , 10 , 15 , 30 , 60 , 90 , 120 , 180 , or 240 minutes. For more information, see "Setting the sleep timer" on page 35. |
| ⑱ | AUDIO | When the Equalizer option is turned on, press to toggle among different Equalizer modes. When the Equalizer option is turned off, toggle to adjust the treble or bass. For more information, see "Adjusting audio settings" on page 25. |
| ⑲ | ⏻ (power) | Press to turn your TV on or off (standby mode). When your TV is off, power still flows into it. To disconnect power, unplug the power cord. |
| ⑳ | STB | Press to control a connected set-top box. |
| ㉑ | AUX | Press to control a connected device. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| ㉒ | INFO | Press to display TV status information, such as the channel number, channel name (if available), or signal source. For more information, see "Displaying additional information" on page 21. |
| ㉓ | OK/ENTER | Press to confirm selections or changes. |
| ㉔ | EXIT | Press to close the on-screen menu. |
| ㉕ | Video input selection | TV —Press to select TV as the video source. VIDEO —Press one or more times to select the device connected the AV 1 VIDEO , AV 2 VIDEO , or S-VIDEO jack. COMP —Press one or more times to select the device connected to the COMPONENT 1 or COMPONENT 2 video jacks. HDMI —Press one or more times to select the device connected to HDMI 1 , HDMI 2 , HDMI 3 , or HDMI 4 . For more information, see "Selecting the video input source" on page 19. |
| ㉖ | ● (record) | In DVD, DVR, PVR, or CD mode, press to begin recording. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |

| # | Button | Description |
|----|---------------------|---|
| 27 | PVR/LIST | Press to list all the recorded programs in a PVR/STB. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| 28 | ▶▶ (fast forward) | Press to fast forward on DVD, DVR, PVR, or CD devices. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| 29 | ▶▶/▶ (skip forward) | In DVD, DVR, PVR, or CD mode, press to skip forward to the next title or track. You need to program the remote control to control connected devices. For more information, see "Programming your remote control" on page 9. |
| 30 | II/FREEZE | Press to freeze the video image. Press again to unfreeze the image. For more information, see "Freezing the picture" on page 24. Caution: Do not freeze the video image for long periods of time. You may damage the TV screen. |
| 31 | CH ▲/CH ▼ | Press to go change TV channels. For more information, see "Selecting a channel" on page 20. |
| 32 | MUTE | Press to mute the sound. Press again to restore the sound. |
| 33 | — | Press to enter a digital sub-channel number. For more information, see "Selecting a channel" on page 20. |
| 34 | CCD | Press to turn closed captioning on or off. You can select CC Off , CC On , or CC On when Mute . For more information, see "Selecting the closed captioning mode" on page 33. |
| 35 | P-LOCK | If Parental Lock is turned on, when you enter the correct password to unblock the channels, you can press P-LOCK to block the channels again. |
| 36 | ZOOM | Press to select the aspect ratio. For more information, see "Adjusting advanced video settings" on page 23. |
| 37 | PICT | Press to select the video modes. You can select Vivid , Standard , Energy Savings , Theater , Sports , or Custom . For more information, see "Adjusting the TV picture" on page 21. |

Caution

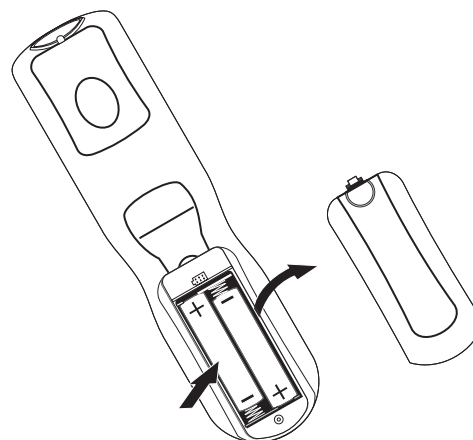
- Do not expose the remote control to shock or liquids.
- Do not use the remote control in an area with high humidity.
- Do not place the remote control in direct sunlight.
- Do not place objects, such as furniture, between the remote control and the remote sensor.
- The remote control may not work if direct sunlight or bright light shines on the remote sensor. Either move your TV or change the angle at which you use the remote control.

Using the remote control

Installing the batteries

To install the batteries:

- 1 Open the battery compartment cover by pressing the cover latch, then remove the cover.
- 2 Insert two AA batteries into the battery compartment. Make sure that the + and – symbols on the batteries match the + and – symbols in the battery compartment.



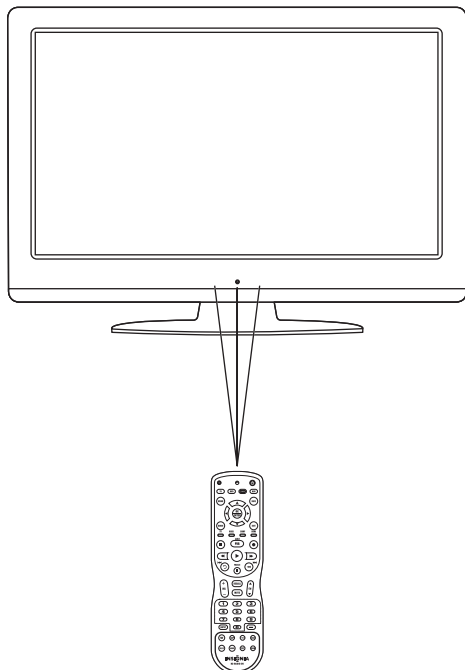
- 3 Replace the cover.

Cautions

- Do not mix different types of batteries.
- Do not mix new and old batteries.
- Remove batteries when they no longer have a charge.
- Chemicals may leak into the battery compartment. Battery chemicals can cause a rash. If chemicals leak, clean the battery compartment with a cloth.
- Remove the batteries if you do not intend to use the remote control for an extended amount of time.
- Do not dispose of batteries in a fire. Dispose of them as hazardous waste.

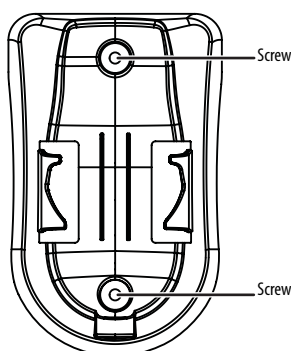
Aiming the remote control

Point the remote control towards the remote sensor on the front of your TV. The remote control should be used within 26 feet (7.9 m) of your TV when you point the remote control directly at the remote sensor and not from an angle. If you use the remote control at an angle to the remote sensor, the effective distance may be less.



Using the remote control holder

Your TV comes with a remote control holder you can put the remote control in when you are not using it. You can put the holder on a table or mount it on a wall.



Tips

Different types of walls may require different types of screws. If you want to wall mount the remote control holder, make sure that you use the correct screws for the type of wall. (Screws are not provided.)

Programming your remote control

To program your remote to control home theater devices, follow these steps.

To program your remote control:

- 1 Before proceeding, find the codes for the devices you want to program in "Manufacturers' codes" on page 38 and write them down or highlight them.
- 2 Turn on the device (for example, a DVD player) and, if needed, load media such as a DVD.
- 3 Press the device key on the remote for the device that you want to program (**TV**, **DVD**, **STB**, or **AUX**).
- 4 Press and hold **SET** until the red LED blinks twice, then release.
- 5 Enter the first five-digit code for the device and brand that you want to program. The LED blinks once as each digit is entered. If the code is valid, the LED blinks twice.

Note

If the LED does not blink twice, repeat steps 2 to 4 and try entering the code again.

- 6 Aim the remote at the device and press \odot (power). The device should turn off. If it does not, repeat Steps 3 through 5, trying each code for your brand until you find one that works. If you cannot find a code that works, see "Searching for your code" below.
- 7 Repeat Steps 1 to 5 for the other devices you want to control. For future reference, write down each working device code.

Searching for your code

If your device does not respond to the remote control after trying all codes listed for your brand, or if your brand is not listed, try searching for your code.

To search for your code:

- 1 Turn on the device you want to control.
- 2 Press the desired device key (**TV**, **DVD**, **STB**, or **AUX**) once.
- 3 Press and hold **SET** until the red LED blinks twice, then release.
- 4 Enter **9 9 1**. The LED blinks twice.
- 5 Press the device group number for your device type (see table below).
 - **0**—Cable (cable converters, video accessories, satellite receivers)
 - **1**—TV (TVs)
 - **2**—VCR (VCRs, DVD players)
 - **3**—Audio (audio amplifiers, audio amps/tuners, CD players)
- 6 Aim the remote at the device and press \odot (power). The remote sends IR codes from its library to the selected device, starting with the most popular code first. If the device responds, go to Step 8.

- 7 If the device does not respond, press **CH ▲** and the remote tests the next code for that device type. Continue to press **CH ▲** until the device turns off.

Note

Press **CH ▼** to try the previous code.

- 8 Now that you have found the correct code, press **SET** to save the code that worked for your device. The LED blinks twice to indicate that the code has been saved.
- 9 To search for other device codes, repeat Steps 1 to 8.

Checking the codes

If you have set up the remote using the procedure in "Searching for your code" on page 9, you may need to find out which five-digit code is operating your equipment.

To find out which code is assigned to your TV (for example):

- 1 Press **TV** once.
- 2 Press and hold **SET** until the red LED blinks twice, then release.
- 3 Enter **9 9 0**. The LED blinks twice.
- 4 To view the code for the first digit, press **1**. Count the red LED blinks (for example, three blinks = 3), then write down the number in the appropriate code listing at the top of this column.

Note

If the LED does not blink, the code digit is 0.

- 5 Repeat Step 4 for the four remaining digits, using **2** for the second digit, **3** for the third digit, **4** for the fourth digit, and **5** for the fifth digit.
- 6 To check for other device codes, repeat Steps 1 through 5, substituting the device key for the device you would like to check.

Using learning

This universal remote control includes a learning feature (some models may not include this) so you can add functions that are unique to your home entertainment devices (such as VCR Tracking Up or Down). However, there are some considerations to keep in mind.

Precautions

- Your original remote controls must be in working order for learning to work properly.
- Learned keys are mode-specific, so each one can store a unique function for each mode.
- Do not use the following keys for learning: **Device Keys**, **SET**, or **●** (record).
- Learning capacity is approximately 42 to 75 keys, depending on the code being learned.
- Certain device functions are not learnable, including multi-frequency types, some high frequency functions, and other unusual formats.

- For optimum learning, avoid high levels of ambient light such as natural sunlight or energy-efficient fluorescent lights.

Note

Please have your original remote controls handy before programming learning.

Programming a learned key

To program a learned key:

- 1 Place your Insignia remote control head-to-head (about 2" apart) from your original remote control (the one that came with the device). Also, locate the key (on your original remote control) that you want the Insignia remote control to learn. Press the mode key you wish to learn functions on.
- 2 Press and hold **SET** until the LED blinks twice, then release.
- 3 Enter **9 7 5**. The LED blinks twice.

Note

If more than 10 seconds pass between key presses, the remote exits programming.
If the LED displays one long flash instead, either your batteries are low, or the Insignia remote control has a memory fault. In either case, the remote cannot learn a new key.

- 4 Press the key on the remote you wish to program. The feedback LED stays lit for three seconds, indicating that the remote is ready to learn.
- 5 On the original remote, press and hold the key to be learned. Continue holding the key on the original remote until the Insignia's LED blinks twice.

Note

If the red LED displays one long blink, a learning error has occurred. Try repeating this step again until a successful capture occurs. If the function is still not captured, press and hold **SET** to exit programming and review the "Precautions" above. If needed, also see "Remote control programming" on page 50. After reviewing, start programming again at Step 1.

- 6 Repeat Steps 4 and 5 to program another key. Once you have completed programming all the keys you want, press and hold **SET** until the LED blinks twice to save all data learned.

Deleting a single learning key

This process returns the key to its original programming for the mode you select. You can also delete learned programming by teaching a different function to the key (see "Programming a Learned Key" above).

Note

If more than 10 seconds pass between key presses, the remote exits programming.
If the LED displays one long flash instead, either your batteries are low, or the Insignia remote control has a memory fault. In either case, the remote cannot learn a new key.

To delete a single learned key:

- 1 Press the mode key that you wish to remove the learned key from.
- 2 Press and hold **SET** until the LED blinks twice, then release.
- 3 Enter **9 7 6**. The LED blinks twice.
- 4 Press the key containing the learned function to be deleted, twice. The LED blinks twice and programming ends.

Deleting all learned keys in a specific mode**Note**

If more than 10 seconds pass between key presses, the remote exits programming.
If the LED displays one long flash instead, either your batteries are low, or the Insignia remote control has a memory fault. In either case, the remote cannot learn a new key.

To delete all learned keys in a specific mode:

- 1 Press and hold **SET** until the LED blinks twice, then release.
- 2 Press **9 7 6**. The LED blinks twice.
- 3 Press a mode key twice (for example, **TV**, **DVD**, **STB**, or **AUX**) to clear all the learned keys for that mode. The LED blinks twice and programming ends.

Changing volume lock

The Insignia universal remote control comes preset to allow independent volume control of each selected device (global volume unlock). However, you may change the volume lock setting to global volume lock so that one device's volume controls volume in all other modes. After that, you can perform Individual volume unlock on a selected device to set its volume control for independent operation or global volume unlock to remove all volume locking.

To lock volume control to one mode (global volume lock):

- 1 Press and hold **SET** until the red LED blinks twice, then release.
- 2 Enter **9 9 3**, the LED blinks twice.
- 3 Press the mode key for the device you want to control (for example, **TV**).
- 4 The LED blinks twice. Now when you press **VOL+**, **VOL-**, or **Mute**, the selected device controls the volume regardless of the current mode.

To unlock all volume control (restoring global unlock):

- 1 Press and hold **SET** until the red LED blinks twice, then release.
- 2 Enter **9 9 3**, the LED blinks twice.
- 3 Press **VOL+**. The LED blinks four times. Volume is independently controlled for all programmed devices.

To unlock a single device's volume control:

- 1 Press the desired device mode key (**TV**, **DVD**, **STB**, or **AUX**).
- 2 Press and hold **SET** until the red LED blinks twice, then release.

- 3 Enter **9 9 3**. The LED blinks twice.
- 4 Press **VOL-**. The red LED blinks four times. Volume is independently controlled for the selected devices.

Programming channel lock

Channel control can be locked so that the Insignia remote controls a single device's channel-changing functions, regardless of operating mode. This is often enabled by users who watch all broadcast TV through one device (for example, a cable set-top box). The affected keys are **1** through **0**, **CH ▲**, **CH ▼**, and **RECALL**.

To lock all channel controls to one device:

- 1 Press the mode key that relates to the device that you use for channel changing control.
- 2 Press and hold **SET** until the mode LED blinks twice, then release.
- 3 Enter **9 7 3**. The mode LED blinks twice.
- 4 Press **CH ▲** once. The mode LED blinks twice.

Now, regardless of what mode you select, the channel keys will only change channels on the assigned device.

To unlock channel locks:


- 1 Press and hold **SET** until the mode LED blinks twice, then release.
- 2 Enter **9 7 3**. The mode LED blinks twice.
- 3 Press **CH ▼** once. The mode LED blinks four times.

Now the channel functions will correlate to the active mode (for example, press **CH ▲** in **TV** mode and the TV changes channel accordingly).

Using keymover

Your Insignia universal remote control includes a keymover feature that lets you map (or copy) keys from one mode (such as source mode) to another mode (such as destination mode) or to a different key in the same mode.

Note

Do not use any of the Device Keys,  (power), **RECORD**, or **SET** as a source or destination key.

To move keys in the same device mode:

- 1 Press the desired device key (**TV**, **DVD**, **STB**, or **AUX**).
- 2 Press and hold **SET** until the LED blinks twice, then release.
- 3 Press **9 9 4**. The LED blinks twice.
- 4 Press the key you want to move.
- 5 Press the new key that should perform the function. The LED blinks twice.
- 6 Repeat Steps 1-5 to move additional keys.

To move keys to a different device mode:

- 1 Press and hold **SET** until the LED blinks twice, then release.
- 2 Press **9 9 4**. The LED blinks twice.
- 3 Press the device key that contains the function you want to move (for example, **DVD**).
- 4 Press the key you want to move (such as **Play**).

- 5 Press the device key that you want to move the function to (such as **TV**).
- 6 Press the key in the new mode that should perform the function (for example, **Play**). The LED blinks twice.
- 7 Repeat Steps 1-6 to move additional keys.

To restore all keymoved data in a specific mode:

- 1 Press and hold **SET** until the LED blinks twice, then release.
- 2 Press **9 9 4**. The LED blinks twice.
- 3 Press the device key you wish to remove all keymoved data from twice. The LED blinks twice.
- 4 Repeat for each device you want to restore.

To restore original key function:

- 1 Press the device key for which you wish to remove the keymoved data from a specific key.
- 2 Press and hold **SET** until the LED blinks twice, then release.
- 3 Enter **9 9 4**. The LED blinks twice.
- 4 Press the key you wish to remove the keymoved data from twice. The LED blinks twice.
- 5 Repeat Steps 1-4 for additional keys you wish to remove.

Programming macros

Your Insignia universal remote control includes the ability to program any key (other than the **SET** key) with a macro function. Each one can be set up to perform a pre-programmed set of sequential key presses with the press of a single key. A macro can be used to control a home theater operation, to set a favorite channel, or for other functions you would like to control with one key press. Each macro key can hold up to 15 key presses, total.

Note

Programming a new macro over an existing one erases the original macro.

To program a mode-independent macro:

- 1 Press and hold **SET** until the red LED blinks twice, then release.
- 2 Press **9 9 5**. The LED blinks twice.
- 3 Press the key you want to assign to a macro.
- 4 Enter the series of commands you want the macro to execute (up to 15 commands).
- 5 Press and hold **SET** until the red LED blinks twice, then release.

Now, when you press the preset macro key, the remote sends the series of commands you have entered, regardless of what mode you are in. For example, you could program a macro key to turn on both your TV and cable box and select a particular channel.

Note

To clear the macro, repeat Steps 1-5, but do not enter a series of commands at Step 4.

To program a mode-dependent macro:

- 1 Press the device mode key (**TV**, **DVD**, **STB**, or **AUX**).
- 2 Press and hold **SET** until the LED blinks twice, then release.
- 3 Press **9 7 8**. The LED blinks twice.
- 4 Press the key you wish to assign to a macro.
- 5 Enter the series of commands you want the macro to execute (up to 15 commands).
- 6 Press and hold **SET** until the red LED blinks twice, then release.

Now, when you press the macro key, the remote sends the series of commands you have entered, but only if you are in the mode you selected in Step 1. For example, you could program the macro key to turn on both your TV and cable box and select a particular channel, but only if you are in TV mode. If you are in DVD mode, this key does not execute the macro you set up in TV mode.

Note

To clear the macro, repeat Steps 1-6, but do not enter a series of commands at Step 5.

Programming a different universal remote control

You can operate your Insignia TV with a new or existing universal remote control.

To program a universal remote control:

- 1 Find the code for your universal remote control by identifying its model (or your set-top box's remote control manufacturer and model) on the charts below, then making note of the numbered code below it. You will use the numbered code to program your remote control to work with your Insignia TV.

Insignia TV codes for universal remote controls (for all Insignia TVs manufactured after Jan. 1, 2007)

Universal remote control manufacturers and models

| | | | |
|---|---------------|-------------------------|------------------|
| Philips PHDVD5, PH5DSS, PMDVR8, PDVR8 | RCA RCU807 | One for All URC-6690 | Sony RM-VL600 |
|---|---------------|-------------------------|------------------|

| | | | |
|------------|------------|-------------|-------------|
| 115 | 135 | 0464 | 8043 |
|------------|------------|-------------|-------------|

Set-top box manufacturers and models

| | | | | |
|------------------|--------------------------------|--------------------|----------------------|------------------|
| Comcast M1057 | Dish Network VIP508, VIP622 | Motorola DRC800 | TIVO Series 3, HD | DirectTV RC23 |
| 0463 | 720 | 0463 | 0091 | 10463 |

Codes for other remote controls are available online at:

www.insigniaproducts.com/universalcontrolcodes.aspx

Tips

- The brand name is often visible on the front of the universal remote control, and the model number is often visible on the back.
- If your universal remote control isn't listed on the chart, refer to your universal remote control's instructions and try codes for the brands Orion, Emerson, Memorex, Sansui, Sylvania, or Zenith. You may need to try several codes before finding a match.

- 2 Follow your universal remote control's instructions to enter the TV code you found in Step 1.

Tips

- If your universal remote control has a code search feature, run a code search to identify a code that matches your TV. See your universal remote control's instructions for details.
- If your universal remote control has a "Learn" feature, you can manually program it using the Insignia TV remote to "teach" the commands one at a time. See your universal remote control's instructions for details.

- 3 If all else fails, you must use a different universal remote control that can operate both your set-top box and your TV. Four such remotes are listed on the chart, but many other compatible models are available in the market.

For more help, call technical support for your universal remote control or set-top box manufacturer, or call the Insignia Customer Care Center at 1-877-467-4289.

Making connections

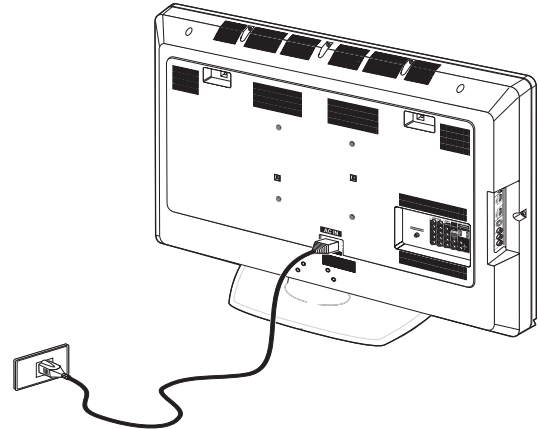
Cautions

- Check the connectors for position and type before making any connections.
- Loose connections can result in image or color problems.
- Make sure that all connections are tight and secure.
- The external audio/video equipment pictures used in this guide are for illustration purposes only. If you have questions, refer to the user manual that came with your equipment.
- Always turn off the power on your TV and the external audio/video equipment before making a connection.
- Your TV does not support DTS audio format. If you choose a DTS audio format, you may not hear the correct audio output from the TV speakers.

Connecting the power

To connect the power:

- Plug the power cord into the AC IN jack on the back of your TV and into a power outlet.

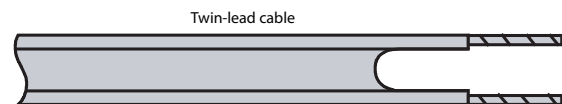
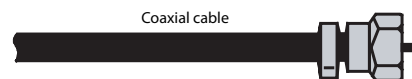


Cautions

- Your TV should only be operated from the power source indicated on the label.
- Always unplug the AC power cord from the power outlet when you will not be using your TV for an extended period of time.

Connecting an antenna

Antenna cables come in two types: Coaxial and twin-lead.



To connect an antenna:

- 1 Turn off your TV and all connected equipment.
- 2 If your antenna cable has a coaxial connector, connect the cable to the **ANT./CABLE IN** jack on the back of your TV.
Or,
If your antenna cable has a twin-lead connector, connect the cable to a coaxial-to-twin-lead (300-75 ohm) adapter (not included), connect the adapter to a coaxial cable, then connect the other end of the coaxial cable to the **ANT./CABLE IN** jack on the back of your TV.
- 3 Connect the other end of the cable to the antenna jack.

Tips

If you plan on receiving over-the-air broadcasts, you will need to use a separate antenna (not included) to ensure the best reception.

Consult www.antennaweb.org for a list of local broadcast channels and recommendations for your location.

Connecting cable TV

Your TV has a coaxial jack for connecting cable TV. Some cable TV providers scramble the signals for "premium" (pay) channels. To view these channels, you need a converter/descrambler box.

If you do not require a converter/descrambler box, you can connect your cable TV directly to your TV. For more information, see "No converter/descrambler box" on page 14.

If you require a converter/descrambler box, you can connect your cable TV using an RF switch (not included). For more information about connecting a converter/descrambler box, see "With converter/descrambler box" on page 14 and contact your cable TV provider.

You can also connect cable TV using an HDMI, component video, S-Video, or AV connection, depending on your cable box.

No converter/descrambler box

To connect cable TV without a converter/descrambler box:

- 1 Connect one end of a coaxial cable to the **ANT./CABLE IN** jack on the back of your TV.
- 2 Connect the other end of the cable to the cable TV wall outlet.

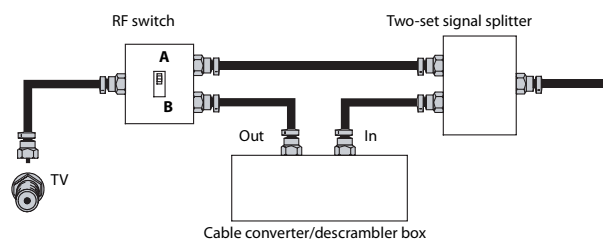
With converter/descrambler box

If your cable box descrambles only some channels (such as premium channels), you need a two-way splitter, an RF (A/B) switch, and four lengths of antenna cable. The two-way splitter and RF switch are not provided.

To connect cable TV with a converter/descrambler box:

- Use the following illustration as a guide to connect a converter/descrambler box.

Set the RF switch to the **A** position to tune to unscrambled channels using your TV remote control. Set the RF switch to the **B** position to watch scrambled channels using the converter/descrambler controls.



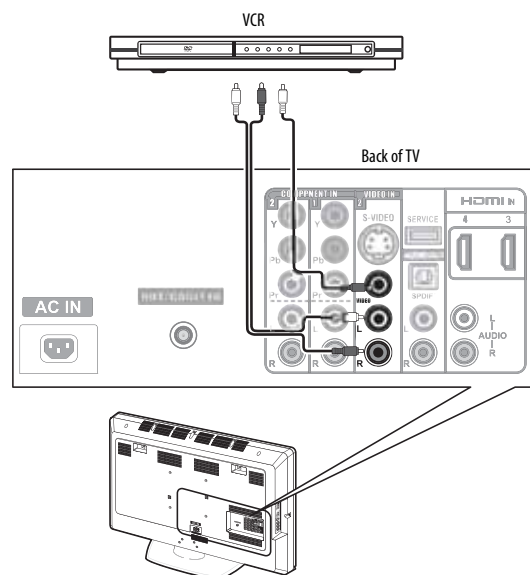
Connecting a VCR

To connect a VCR:

- 1 Make sure the TV's power cord is unplugged and the VCR is turned off.
- 2 Connect an AV cable to the **VIDEO IN 2 VIDEO** and **VIDEO IN 2 L** and **R** audio jacks on the back of your TV.

Note

The connectors on AV cables are often color-coded. Yellow is video, white is left audio, and red is right audio.



- 3 Connect the other end of the cable to the **VIDEO OUT** and **AUDIO OUT** jacks on the VCR.
- 4 Turn on your TV, then turn on the VCR.
- 5 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **A/V 2**, then press **ENTER**.

Note

You can also press **VIDEO** twice to select **A/V 2**.

- 6 Insert a videotape into the VCR, then press **PLAY**.

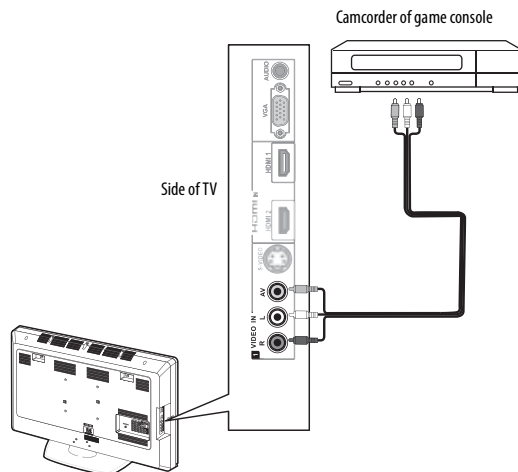
Connecting a camcorder or game console

To connect a camcorder or game console:

- 1 Make sure the TV's power cord is unplugged and the camcorder or game console is turned off.
- 2 Connect an AV cable to the **VIDEO IN 1 VIDEO** and **VIDEO IN 1 L** and **R** audio jacks on the side of your TV.

Note

The connectors on AV cables are often color-coded. Yellow is video, white is left audio, and red is right audio.



- 3 Turn on your TV, then turn on the camcorder or game console.
- 4 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **A/V1**, then press **ENTER**.

Note

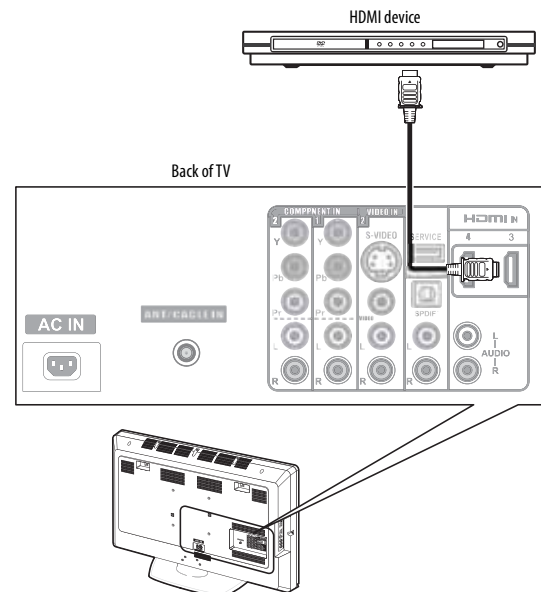
You can also press **VIDEO** once to select **A/V 1**.

Connecting an HDMI device

You can connect an HDMI device to the **HDMI 1** or **HDMI 2** jack on the side of your TV or to the **HDMI 3** or **HDMI 4** jack on the back of your TV. An HDMI picture can be displayed only when a 640 × 480, 480P, 720P, or 1080P signal is received.

To connect an HDMI device to the back of your TV:

- 1 Make sure the TV's power cord is unplugged and the HDMI device is turned off.
- 2 Connect an HDMI cable to the **HDMI 3** or **HDMI 4** jack on the back of your TV and to the **HDMI OUT** jack on the HDMI device.



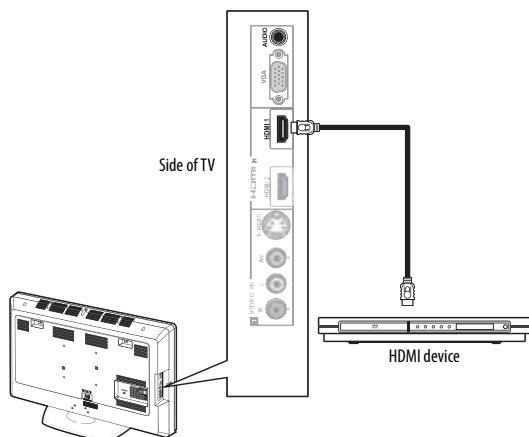
- 3 Turn on your TV, then turn on the HDMI device.
- 4 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **HDMI 3** or **HDMI 4**, then press **ENTER**.

Note

You can also press **HDMI** three times to select **HDMI 3** or four times to select **HDMI 4**. You can also attach a DVI device to the **HDMI 4** jack. If you connect a DVI device, you must also make an audio connection. Connect the audio to the **AUDIO L/R** jacks below the **HDMI** jacks on the back of your TV. Only the **HDMI 4** jack supports DVI.

To connect an HDMI device to the side of your TV:

- 1 Make sure the TV's power cord is unplugged and the HDMI device is turned off.
- 2 Connect an HDMI cable to the **HDMI 1** or **HDMI 2** jack on the side of your TV and to the **HDMI OUT** jack on the HDMI device.



- 3 Turn on your TV, then turn on the HDMI device.
- 4 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **HDMI 1** or **HDMI 2**, then press **ENTER**.

Note

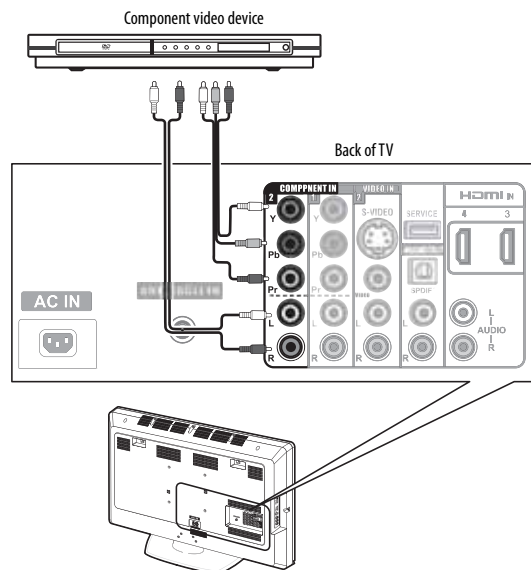
You can also press **HDMI** once to select **HDMI 1** or twice to select **HDMI 2**.

Connecting a component video device

A component (Y, Pb, Pr) picture can be displayed only when a 480i, 480P, 720P, or 1080i signal is received.

To connect to a component video device:

- 1 Make sure the TV's power cord is unplugged and the component video device is turned off.
- 2 Connect a component video cable to the **COMPONENT IN 1** or **COMPONENT IN 2** jacks on the back of your TV and to the **COMPONENT VIDEO OUT** jacks on the component video device.



- 3 Connect an audio cable to the **L** and **R** audio jacks below the corresponding **COMPONENT IN** jacks and to the **COMPONENT OUT AUDIO** jacks on the component video device.

Note

The connectors on audio cables are often color-coded.
White is left audio, and red is right audio.

- 4 Turn on your TV, then turn on the component video device.
- 5 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **COMPONENT 1** or **COMPONENT 2**, then press **ENTER**.

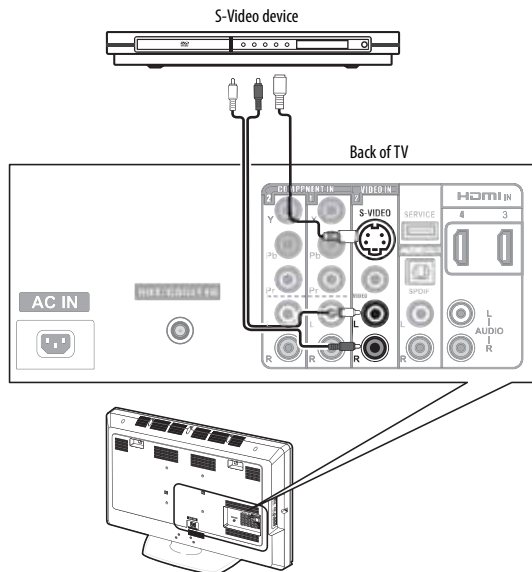
Note

You can also press **COMP** once to select **COMPONENT 1** or twice to select **COMPONENT 2**.

Connecting an S-Video device

To connect an S-Video device to the back of your TV:

- 1 Make sure the TV's power cord is unplugged and the S-Video device is turned off.
- 2 Connect an S-Video cable to the **VIDEO IN 2 S-VIDEO** jack on the back of your TV and to the **S-VIDEO OUT** jack on the S-Video device.



- 3 Connect an audio cable to the **VIDEO IN 2 L** and **R** audio jacks on the back of your TV and to the **AUDIO OUT** jack on the S-Video device.

Note

The connectors on audio cables are often color-coded.
White is left audio, and red is right audio.

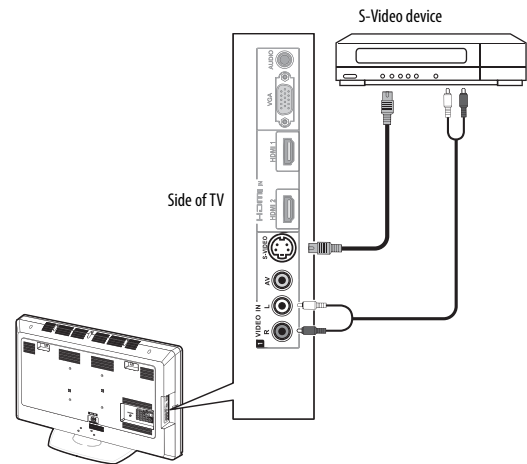
- 4 Turn on your TV, then turn on the component S-Video device.
- 5 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **A/V 2**, then press **ENTER**.

Note

You can also press **VIDEO** twice to select the device connected to the **VIDEO IN 2 S-VIDEO** jack.

To connect an S-Video device to the side of your TV:

- 1 Make sure the TV's power cord is unplugged and the S-Video device is turned off.
- 2 Connect an S-Video cable to the **VIDEO IN 1 S-VIDEO** jack on the side of your TV and to the **S-VIDEO OUT** jack on the S-Video device.



- 3 Connect an audio cable to the **VIDEO IN 1 L** and **R** audio jacks on the side of your TV and to the **AUDIO OUT** jack on the S-Video device.

Note

The connectors on audio cables are often color-coded.
White is left audio, and red is right audio.

- 4 Turn on your TV, then turn on the component video device.
- 5 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **A/V 1**, then press **ENTER**.

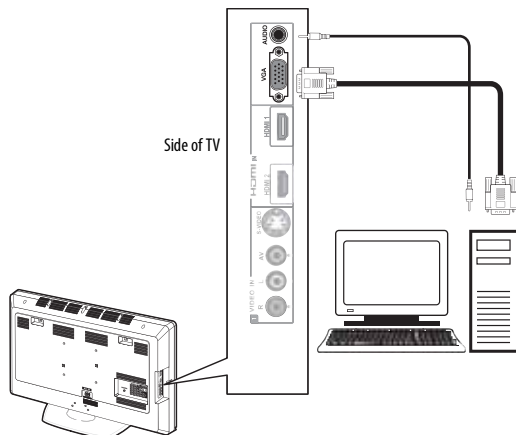
Note

You can also press **VIDEO** once to select the device connected to the **VIDEO IN 1 S-VIDEO** jack.

Connecting a computer

To connect a computer:

- 1 Make sure the TV's power cord is unplugged and the computer is turned off.
- 2 Connect a VGA cable to the **VGA** jack on the side of your TV and to the VGA jack on the computer.

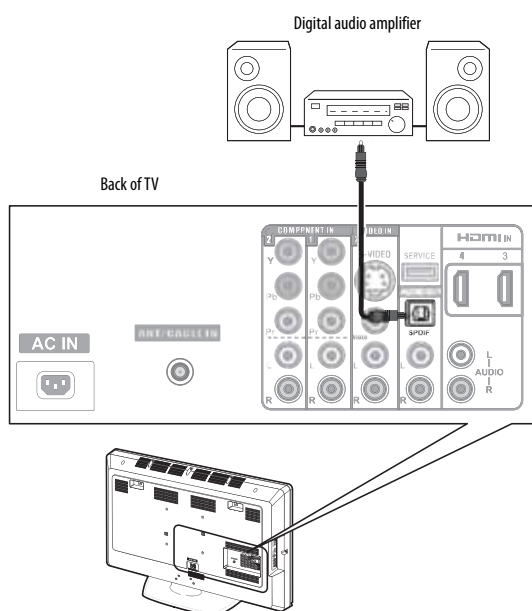


- 3 Connect an audio cable to the **VGA AUDIO** jack on the side of your TV and to the **AUDIO OUT** jack on the computer.
- 4 Turn on your TV, then turn on the computer.
- 5 Press **INPUT** to open the source list, press **▲** or **▼** to highlight **VGA**, then press **ENTER**.

Connecting a digital audio amplifier

To connect a digital audio amplifier:

- 1 Make sure the TV's power cord is unplugged and the amplifier is turned off.
- 2 Connect a digital optical (Toslink) audio cable to the **AUDIO OUT SPDIF** jack on the back of your TV and to the **SPDIF AUDIO IN** jack on the digital audio amplifier.



- 3 Turn on your TV, then turn on the digital audio amplifier and set it to the correct output mode. See the documentation that came with the amplifier for more information.

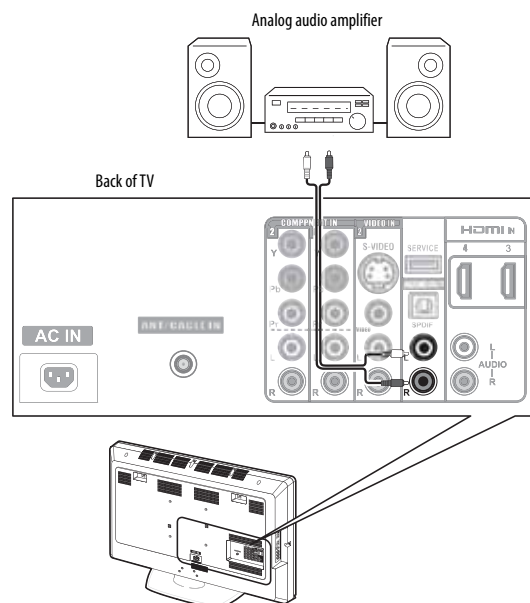
Connecting an analog audio amplifier

To connect an analog audio amplifier:

- 1 Make sure the TV's power cord is unplugged and the amplifier is turned off.
- 2 Connect an audio cable to the **AUDIO OUT L** and **R** on the back of your TV and to the **AUDIO IN L** and **R** jacks on the analog audio amplifier.

Note

The connectors on audio cables are often color-coded.
White is left audio, and red is right audio.



- 3 Turn on your TV, then turn on the analog audio amplifier and set it to the correct output mode. See the documentation that came with the amplifier for more information.

Turning your TV on for the first time

The first time you turn on your TV, the Setup Wizard opens. The Setup Wizard guides you through setting up basic settings including the menu language, TV signal source, and the channel list.

To set up your TV:

- 1 Make sure that you have:
 - Installed the remote control batteries. (See page 8 for details).
 - Connected an antenna, cable TV, or satellite TV. (See page 13 through page 14 for details.)
 - Connected the power cord. (See page 13 for details.)
- 2 Press **⏻** (power) to turn on your TV. It may take several seconds for the *Choose your menu language* screen to open.



- 3 Press **▲** or **▼** to highlight a language, then press **ENTER**. The *Choose your TV source* screen opens.



- 4 Press **▲** or **▼** to highlight the TV signal source, then press **ENTER** to start scanning for channels in that signal. You can select:
 - **Antenna**—VHF and UHF channels
 - **Cable**—Cable TV channels (no cable box).
 - **Cable/Satellite Box**—Cable or satellite TV tuner box. Channel auto scan is not necessary if you select this option.

The channel scan may take a few minutes depending on the signal strength and the number of available channels. When the scan is complete, the first scanned channel is displayed.

Understanding the basics

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Turning your TV on or off

To turn you TV on or off:

- 1 Make sure that the power cord is connected to your TV and to a power outlet.
- 2 Press **⏻** (power) to turn on your TV. It may take several seconds for an image to appear on the screen.
- 3 Press **⏻** (power) to turn off your TV. Your TV enters standby mode.

Warning

When your TV is off, power still flows into it. To disconnect power, unplug the power cord.

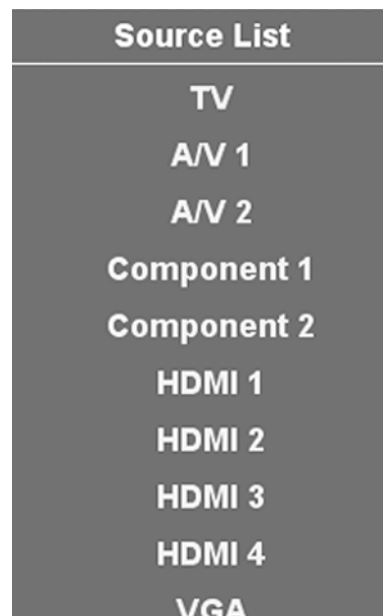
Note

If your TV does not detect an input signal for several minutes, your TV goes into standby mode automatically.

Selecting the video input source

To select the video input source:

- 1 With your TV turned on, press **INPUT**. The *Source List* opens.



- 2 Press **▲** or **▼** to highlight the video input source, then press **ENTER**.

You can also press a direct input button to select the video input source.

- Press **TV** to select **TV**.
- Press **VIDEO** once to select **A/V 1** (for **VIDEO IN 1 VIDEO** or **VIDEO IN 1 S-VIDEO**).
- Press **VIDEO** twice to select **VIDEO IN 2 VIDEO** or **VIDEO IN 2 S-VIDEO**.
- Press **COMP** once to select **Component 1**.
- Press **COMP** twice to select **Component 2**.

- Press **HDMI** once to select **HDMI 1**.
- Press **HDMI** twice to select **HDMI 2**.
- Press **HDMI** three times to select **HDMI 3**.
- Press **HDMI** four times to select **HDMI 4**.

Note

To automatically switch the input source whenever a new device is connected, turn on the Auto Input Sensor feature. See "Turning the Auto Input Sensor on or off" on page 37.

On-screen menu overview

Picture menu



Audio menu



Channel menu



Settings menu



Navigating the menus

To navigate the menus:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight a primary menu, then press **ENTER**. You can select:
 - **PICTURE**
 - **AUDIO**
 - **CHANNEL**
 - **SETTINGS**
- 3 Press **▲** or **▼** to highlight a setting, then press **ENTER** to access the submenu.
- 4 Press **▲** or **▼** to highlight a setting selection, then press **ENTER**.
Or,
Press **◀** or **▶** to adjust a setting level, then press **ENTER**.
- 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting a channel

To select a channel:

- Press **CH ▲** or **CH ▼** to go to the next higher or lower channel in the channel list.
- Press the number buttons to directly select a channel. For example, if you want to view channel 83, press **8**, then press **3**.
- Press **RECALL** to go to the last viewed channel.
- Press the number buttons for a main DTV channel, press **—**, then press the number for a DTV sub-channel to go to a digital sub-channel. For example, to go to sub-channel 1 of main channel 83, press **8**, **3**, **—**, then **1**.

Notes

- Button presses must be within three seconds of each other.
- You can press the number buttons to go to a channel that was skipped in the channel scanning.

Adjusting the volume

To adjust the volume:

- Press **VOL -** or **VOL +** to decrease or increase the volume. A volume level display appears on the screen.



- Press **MUTE** to turn off the sound. Press **MUTE** again to restore the sound back.

Displaying additional information

To display additional information:

- Press **INFO**. Your TV displays channel information.
 - Digital mode information**—Displays the channel number, station name, channel label (if assigned), broadcast program name, TV rating, signal type, audio information, resolution, CC mode, current time, and current program start and end times.



- Analog mode information**—Displays the channel number, channel label (if assigned), signal type, audio information, and resolution.



- Press **GUIDE**. The electronic program guide (EPG) opens and displays information about the current channel, such as a program list, program times, and program rating. Detailed information about the program is often included.

Press **◀** or **▶** to view more information about programs on the selected channel. Press **GUIDE** again to close the EPG.



Note

EPG availability and content depends on the channel broadcaster.

Adjusting the picture

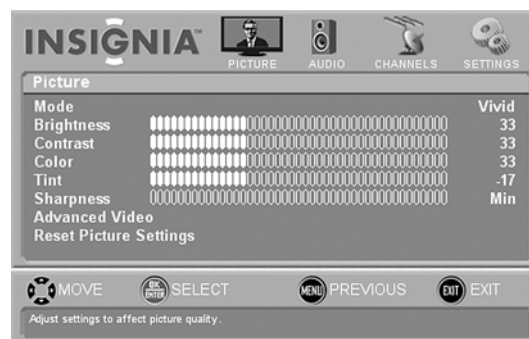
Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Adjusting the TV picture

To adjust the TV picture:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **PICTURE**, then press **ENTER**. The *Picture* menu opens.



- Press **▲** or **▼** to highlight a setting, then press **ENTER** to access the submenu. You can select:

- Mode**—See “Selecting the picture mode” on page 23.
- Brightness**—Adjusts the black level. This setting determines the point where grays become pure black.
- Contrast**—Adjusts the white level. This setting determines how bright the brightest whites should appear.
- Color**—Adjusts the color intensity.
- Tint**—Adjusts the balance of the red, green, and blue colors in the display.
- Sharpness**—Adjusts the sharpness or softness of the display.
- Advanced Video**—See “Adjusting advanced video settings” on page 23.

- Press **▲** or **▼** to highlight a setting option, then press **ENTER**.

Or,

Press **◀** or **▶** to adjust a setting level, then press **ENTER**.

- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the computer image

To adjust the computer image:

- 1 Connect a computer to your TV. See "Connecting a computer" on page 18.
- 2 Press **MENU**. The on-screen menu opens.
- 3 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 4 Press **▲** or **▼** to highlight **Computer Settings**, then press **ENTER**.



- 5 Press **▲** or **▼** to highlight a setting, then press **ENTER** to access the submenu. You can select:
 - **Auto Adjust**—Automatically adjusts the computer image to the best settings.
 - **H. Position**—Moves the computer image left or right.
 - **V. Position**—Moves the computer image up or down.
 - **Clock**—Adjusts the sample frequency.
 - **Phase**—Adjusts the focus to stabilize the image.
- 6 Press **▲** or **▼** to highlight a setting option, then press **ENTER**.
Or,
Press **◀** or **▶** to adjust a setting level, then press **ENTER**.
- 7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

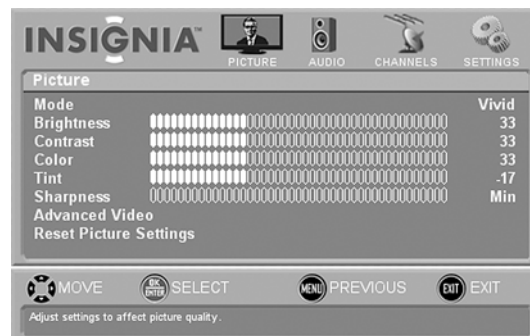
Changing the aspect ratio

To change the aspect ratio with the ZOOM button:

- Press **ZOOM** one or more times to select an aspect ratio. The display changes as you go through the options and your TV displays the currently selected aspect ratio.

To change the aspect ratio using the on-screen menu:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **PICTURE**, then press **ENTER**. The *Picture* menu opens.



- 3 Press **▲** or **▼** to highlight **Advanced Video**, then press **ENTER**. The *Advanced Video* menu opens.
- 4 Press **▲** or **▼** to highlight **Aspect Ratio**, then press **ENTER**.



- 5 Press **▲** or **▼** to highlight an aspect ratio, then press **ENTER**. You can select:
 - **Normal**—The picture is displayed in a 4:3 aspect ratio.
 - **Zoom**—The picture is displayed to cover the entire screen.
 - **Wide**—The picture uses a widescreen aspect ratio.
 - **Cinema**—The picture is displayed in a 21:9 aspect ratio.
- 6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Note

The default aspect ratio for all input sources, except TV, is **Wide**. For TV, the default setting is **Normal**.

Selecting the picture mode

To change the aspect ratio with the PICT button:

- Press **PICT** one or more times to select a picture mode. Your TV displays the currently selected picture mode.

To select the picture mode using the on-screen menu:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **PICTURE**, then press **ENTER**. This *Picture* menu opens.



- 3 Press **▲** or **▼** to highlight **Mode**, then press **ENTER**.



- 4 Press **▲** or **▼** to highlight a picture mode, then press **ENTER**. You can select:
 - **Vivid**—Increases color and sharpness for a vibrant picture display.
 - **Standard**—Displays the picture in its original display mode.
 - **Theater**—Displays the picture in a quality suited for viewing under dim lighting conditions to deliver a “movie house” experience.
 - **Sport**—Displays the picture in high contrast display for clear-cut images that are ideal for viewing sports events.
 - **Energy Saving**—Reduces the picture brightness and backlight levels for lower power consumption.
 - **Custom**—When you adjust the **Brightness**, **Contrast**, **Color**, **Tint**, and **Sharpness** settings in the *Picture* menu, this mode is automatically selected.
- 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting advanced video settings

To adjust advanced video settings:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **PICTURE**, then press **ENTER**.
- 3 Press **◀** or **▶** to highlight **PICTURE**, then press **ENTER**. The *Picture* menu opens.



- 4 Press **▲** or **▼** to highlight **Advanced Video**, then press **ENTER**. The *Advanced Video* menu opens.



- 5 Press **▲** or **▼** to highlight a setting, then press **ENTER**. You can select:
 - **Backlight**—Adjusts the LCD backlight to suit the current viewing condition.
 - **Aspect Ratio**—See “Changing the aspect ratio” on page 22.
 - **Overscan**—Extends part of the display past the visible area of the screen. The resulting picture will “zoom in” on the image center. You can select **On** or **Off**.
 - **Color Temperature**—Adjusts the white level of in the display. Options include:
 - **Cool**—Pictures appear with a bluish tint.
 - **Normal**—Pictures appear more white.
 - **Warm**—Pictures appear more reddish.
 - **Noise Reduction**—Improves picture quality by filtering out unusable data (“noise”) from video signals. You can select **On** or **Off**.
 - **Blue Stretch**—Increases the blue component of white and near white pixels to achieve a more natural looking display. You can select **On** or **Off**.

- **DCM**—Delivers clear and fast action images by reducing motion blur in fast-paced programming like sports. Image refresh rate increases to 120 frames per second (120 Hz). You can select **Off**, **Low**, **Normal**, or **High**.
 - **Advanced Contrast**—Sets advanced contrast settings. You can select:
 - **Adaptive Contrast**—Automatically adjusts the picture detail and brightness.
 - **Dynamic Contrast Ratio**—Enhances contrast between the light and dark areas of the picture. This feature enables automatic contrast adjustment based on the picture brightness.
- Press **▲** or **▼** to highlight a setting option, then press **ENTER**.
Or,
Press **◀** or **▶** to adjust a setting level, then press **ENTER**.
 - Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Fitting the picture to the screen

In TV mode only, your TV can automatically adjust the picture so that everything fits in the visible space of the screen.

To fit the picture to the screen:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.
- Press **▲** or **▼** to highlight **Auto Zoom**, then press **ENTER**.
- Press **▲** or **▼** to highlight **On** or **Off**, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Freezing the picture

There may be instances when you want to jot down information displayed on the TV but you have no pen handy. In such cases, you can “lock” the current display in place.

To freeze the picture:

- Press **FREEZE** once to “lock” the current display in place.
- Press the button again to resume the regular programming.

Adjusting the sound

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Selecting the audio mode

When the **Equalizer** setting in the *Audio* menu is set to **on**, you can press **AUDIO** to select the audio mode. If the Equalizer setting is set to **Off**, you can select the audio mode from the on-screen menu.

To select the audio mode when the Equalizer setting is set to On.:

- Press **AUDIO** one or more times to select the audio mode. Your TV displays the currently selected audio mode.

To select the audio mode when the Equalizer setting is set to Off:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **AUDIO**, then press **ENTER**. The *Audio* menu opens.



- Press **▲** or **▼** to highlight **Equalizer**, then press **ENTER**.



- Press **▲** or **▼** to highlight **On**, then press **ENTER**.
- Press **▲** or **▼** to highlight **Equalizer Mode**, then press **ENTER**.
- Press **▲** or **▼** to highlight an equalizer mode, then press **ENTER**. You can select **Standard**, **Music**, **Theater**, **News**, or **Custom**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting the sound mode or audio language

To select the sound mode in analog TV mode:

- Press **SAP** one or more times to select a sound mode. You can select
 - **Mono**—Select this option if there is noise or static from a weak broadcast signal.
 - **Stereo**—Select this option for programs broadcast in stereo sound.
 - **SAP**—Select this option to listen to an alternative audio language (if available).

To select an audio language in digital TV mode:

- Press **SAP** one or more times to select an audio language (if available).

Adjusting audio settings

To adjust audio settings:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press ◀ or ▶ to highlight **AUDIO**, then press **ENTER**. The *Audio* menu opens.



- 3 Press ▲ or ▼ to highlight an option, then press **ENTER**. You can select:
 - **Equalizer**—Sets the audio frequency response to the optimum level. When turned on, the **Bass** and **Treble** settings are replaced with:
 - **Equalizer Mode**—Selects one of the preset EQ modes.
 - **Equalizer Settings**—Adjusts the EQ settings.
 - **Treble**—Adjusts the high sounds. When the **Equalizer** setting is turned off, you can press **AUDIO** to access the **Treble** setting.
 - **Bass**—Adjust the low sounds. When the **Equalizer** setting is turned off, you can press **AUDIO** to access the **Bass** setting.
 - **Balance**—Adjusts the balance between the left and right audio channels.
 - **Auto Volume**—Applies the audio settings to both digital and analog channels.
 - **Advanced Audio**—Highlight this option, then press **ENTER** to access advanced audio settings.
 - **Digital Audio/SPDIF**—Selects the preferred audio format for digital audio signals. This feature is only available on digital channels or when using an HDMI device. You can select **PCM** or **RAW**.

- **Audio Language**—Selects the default language track when watching digital TV programs. You can select **English**, **Français**, and **Español**. Languages must be provided by the broadcaster.
 - **MTS/SAP**—Select the default language stream when watching analog or digital TV channels. For more information, see "Selecting the sound mode or audio language" on page 25.
 - **Reset Audio Settings**—Resets the audio settings to the defaults.
- 4 Press ▲ or ▼ to highlight a setting option, then press **ENTER**.
Or,
Press ◀ or ▶ to adjust a setting level, then press **ENTER**.
 - 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Playing audio only

To play audio only:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press ◀ or ▶ to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.
- 3 Press ▲ or ▼ to highlight **Auto Only**, then press **ENTER**.
- 4 Press ▲ or ▼ to highlight **On** or **Off**, then press **ENTER**.
- 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Changing channel settings

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Automatically scanning for channels

You do not need to scan for channels unless:

- The channels in your area have changed since you ran the Setup Wizard.
- You change the TV signal source. For example, you change from an antenna to cable TV.

To automatically scan for channels:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press ◀ or ▶ to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.



- Press **▲** or **▼** to highlight **Auto Channel Search**, then press **ENTER**.



- Press **▲** or **▼** to highlight the TV signal source, then press **ENTER**. Your TV starts scanning for channels. You can select:
 - Antenna**— VHF and UHF channels
 - Cable**—Cable TV channels (no cable box).
 - Cable/Satellite Box**— Cable or satellite TV tuner box. You do not need to scan for channels if you use a tuner box.

The channel scan may take a few minutes depending on the signal strength and the number of available channels. When the scan is complete, your TV displays the first scanned channels.

Hiding channels

You can hide scanned channels. When you press **CH ▲** or **CH ▼**, your TV skips the hidden channel. You can still access the channel by pressing the number buttons.

To hide channels:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.



- Press **▲** or **▼** to highlight **Add/Skip Channels**, then press **ENTER**.



- Press **▲**, **▼**, **◀** or **▶** to select the channel you want to hide, then press **ENTER**. If a channel has a check mark, you can tune to the channel when you press **CH ▲** or **CH ▼**. If the channel does not have a check mark, it is hidden.

Note

To add a channel back, select the channel and press **ENTER**.

- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting up a favorite channel list

To set up a favorite channel list:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.



- Press **▲** or **▼** to highlight **Favorites**, then press **ENTER**.



- 4 Press **▲ ▼ ◀ ▶** to select the channel you want to add to the favorites list, then press **ENTER**. If a channel has a check mark, it is in the favorites list.
- 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

To tune to a favorite channel:

- 1 Press **FAV** to open the favorite channel list.



- 2 Press **▲** or **▼** to highlight a channel. If the list has more than one page, **◀** or **▶** to go to the previous or next page.
- 3 Press **FAV** to close the list and tune to the selected channel.

Labeling a channel

You can assign labels to channels to make them easier to identify. A channel label can consist of up to 11 characters. You can use letters, numbers, and the underscore symbol (_).

To label a channel:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.



- 3 Press **▲** or **▼** to highlight **Channel Labels**, then press **ENTER**.



- 4 Press **▲** or **▼** to highlight the channel you want to label, then press **ENTER** or **▶**. The on-screen keyboard opens.



- 5 Press **▲ ▼ ◀ ▶** to highlight a character, then press **ENTER**. The characters you enter appear on the display bar above the keyboard.
 - To toggle between upper and lower case, highlight **Caps Lock**, then press **ENTER**.
 - To delete a character, highlight the backspace symbol (**←**), then press **ENTER**.
- 6 When the label is correct, highlight **Enter**, then press **ENTER**.
- 7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Viewing the digital TV signal strength

To view the digital TV signal strength:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **CHANNEL**, then press **ENTER**. The *Channel* menu opens.
- 3 Press **▲** or **▼** to highlight **Channel Strength**, then press **ENTER**. The *Channel Strength* screen opens and displays the signal strength. If necessary, adjust the antenna to improve the signal strength.



- 4 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting parental controls

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Your TV supports V-Chip technology. This lets you set up the content your children can view. When parental controls are set, your TV reads the program rating (with some exceptions, such as news and sports) and denies access to those programs that exceed the ratings level you selected.

To use set the parental controls, you must first set a password.

Setting the password

The first time you access the Parental Controls submenu, you will be prompted to set the password.

To set the password:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Parental Controls**, then press **ENTER**. The *Enter Password* screen opens.



- 4 Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



Changing the password

To change the password:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Parental Controls**, then press **ENTER**. The *Enter Password* screen opens.



- 4 Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



- 5 Press **▲** or **▼** to highlight **Change Password**, then press **ENTER**. The *Change Password* screen opens.



- 6 Press the number buttons to enter your new password, then enter the new password again.
7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting parental control levels

To set parental control levels:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Parental Controls**, then press **ENTER**. The *Enter Password* screen opens.



- 4 Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



- 5 Press **▲** or **▼** to highlight **USA Parental Locks** or **Canadian Parental Locks**, then press **ENTER**. One of the following screens opens:



- 6 Press **▲ ▼ ◀ ▶** or **▶** to highlight a rating, then press **ENTER**. A lock icon next to a rating indicates that the rating is locked. An unlock icon indicates the rating is not locked.
- 7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

USA age-based TV program ratings

| Rating | Description |
|--------|---|
| TV-Y | Suitable for young children |
| TV-Y7 | May not be suitable for children under 7 |
| TV-G | Suitable for all audiences |
| TV-PG | Parental guidance suggested |
| TV-14 | Parental guidance suggested for children under 14 |
| TV-MA | Suitable for mature audiences only; may be unsuitable for children under 17 |

USA content-based TV program ratings

| Rating | Description |
|-----------|--|
| FV | Fantasy violence, combative situations |
| D | Suggestive dialogue |
| L | Coarse language |
| S | Sexual situations |
| V | Violence |

Note

Selecting a lower age-based rating block takes precedence over content-rating designation.

USA movie ratings

| Rating | Description |
|--------|---|
| G | Contains nothing most parents will consider offensive for even their youngest children to see or hear; suitable for young children. |
| PG | May contain some material parents might not like to expose to their young children—material that will clearly need to be examined or inquired about before children are allowed to view the film. |
| PG-13 | May contain some scenes of drug use; use of one of the harsher sexually-derived words may be heard. May be inappropriate for pre-teens. |
| R | May contain some adult material. Parents are urged to learn more about the film before letting their children view it. |
| NC-17 | May contain explicit sex scenes, an accumulation of sexually-oriented language, or scenes of excessive violence. Suitable for adult audiences only. Rating does not signify that the film is obscene or pornographic. |
| X | Contains extreme violence or explicit sex; suitable for adults audiences only. |

Canadian English ratings

| Rating | Description |
|--------|--|
| C | Suitable for viewing by children of all ages |
| C8+ | Not suitable for children under 8 years of age |
| G | Suitable for general audiences |
| PG | Parental guidance advised |
| 14+ | Suitable for people 14 years of age or older |
| 18+ | Suitable for people 18 years of age or older |

Canadian French ratings

| Rating | Description |
|---------|--|
| G | For general audiences |
| 8 ans+ | Not suitable for children under 8 years of age |
| 13 ans+ | Not suitable for persons under 13 years of age |
| 16 ans+ | Not suitable for persons under 16 years of age |
| 18 ans+ | Not suitable for persons under 18 years of age |

Blocking unrated TV

Not all TV programs have a rating signal. You can block all unrated programs from displaying on your TV.

To block unrated TV:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀ ▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲ ▼** to highlight **Parental Controls**, then press **ENTER**. The *Enter Password* screen opens.



- 4 Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



- 5 Press **▲** or **▼** to highlight **Block Unrated TV**, then press **ENTER**.



- 6 Press **▲** or **▼** to highlight **On**, then press **ENTER**. To remove the block, select **Off**.
- 7 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Viewing blocked content

You can temporarily unblock blocked content.

To view blocked content:

- 1 Tune it to the blocked program you want to watch.
- 2 When you see the warning message indicating the content is blocked, press the number buttons to enter in your password.

The content restriction will be temporarily disabled. When the TV is turned off, when the channel is changed, or when the video input source is changed, the content restriction is reactivated.

Using downloaded rating information

Additional RRT5 (regional rating tables) applicable in your area are automatically downloaded to your TV's memory. To use one of the RRT5 ratings, you to need to turn them on first.

To use downloaded rating information:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Parental Controls**, then press **ENTER**. The *Enter Password* screen opens.



- 4 Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



- Press **▲** or **▼** to highlight **RRT5**, then press **ENTER**. The **RRT5** screen opens.



- Press **▲** or **▼** to highlight a RRT category, then press **◀** or **▶** to turn the category on.



- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Locking control panel buttons

To lock control panel buttons:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The **Settings** menu opens.



- Press **▲** or **▼** to highlight **Parental Controls**, then press **ENTER**. The **Enter Password** screen opens.



- Press the number buttons to enter your password. You do not need to press **ENTER**. After you enter your password, the **Parental Controls** menu opens.



- Press **▲** or **▼** to highlight **Button Lock**, then press **ENTER**.



- Press **▲** or **▼** to highlight **On**, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Using closed captioning

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Closed caption availability and content depends on the channel broadcaster and may vary across programs in that channel.

To turn closed captioning on or off with the CCD button:

- Press **CCD** one or more times. You can select **CC On**, **CC On Mute**, or **CC Off**.

To turn closed captioning on or off using the on-screen menu:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Closed Caption**, then press **ENTER**. The *Closed Caption* menu opens.



- Press **▲** or **▼** to highlight **Caption Control**, then press **ENTER**.
- Press **▲** or **▼** to highlight **CC On**, **CC On Mute**, or **CC Off**, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Selecting the closed captioning mode

Most closed captioning content can be found within the **CC1** setting for analog TV and within the **CS1** setting for digital TV.

To select the closed captioning mode:

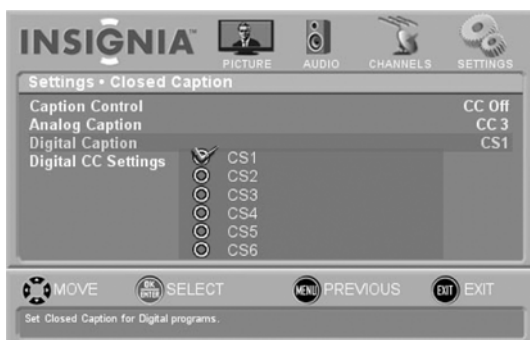
- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Closed Caption**, then press **ENTER**. The *Closed Caption* menu opens.



- 4 Press **▲** or **▼** to highlight **Analog Caption** or **Digital Caption**. One of the following menus opens.



- 5 Press **▲** or **▼** to highlight the mode you want, then press **ENTER**.
- 6 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Customizing the DTV closed captioning style

To customize the DTV closed captioning style:

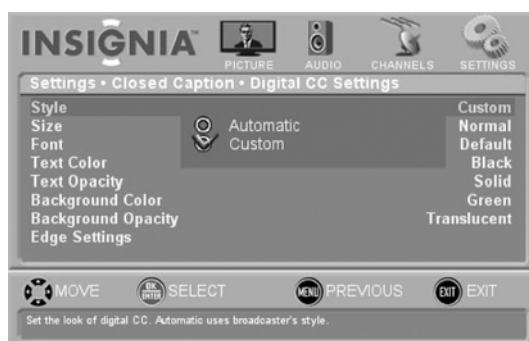
- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Closed Caption**, then press **ENTER**. The *Closed Caption* menu opens.



- 4 Press **▲** or **▼** to highlight **Digital CC Settings**, then press **ENTER**.
- 5 Press **▲** or **▼** to highlight **Style**, then press **ENTER**.



- 6 Press **▲** or **▼** to highlight **Custom**, then press **ENTER**.
- 7 Press **▲** or **▼** to highlight the style you want to customize, then press **ENTER**. You can select **Style**, **Size**, **Font**, **Text Color**, **Text Opacity**, **Background Color**, **Background Opacity**, **Edge Effect**, and **Edge Color**.
- 8 Press **▲** or **▼** to adjust the style, then press **ENTER**.
- 9 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Note

The **Text Color** and **Background Color** options cannot be the same.

Adjusting time settings

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Manually setting the date and time

To manually set the date and time:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Date/Time**, then press **ENTER**. The *Time* menu opens.



- 4 Press **▲** or **▼** to highlight **Date/Time**, then press **ENTER**. The *Date/Time* menu opens.



- 5 Press **▲** or **▼** to highlight **Mode**, then press **ENTER**.



- 6 Press **▲** or **▼** to highlight **Custom**, then press **ENTER**.

Note

If **Mode** is set to **Auto**, the clock setting is automatically synced to a digital channel that broadcasts time information. The rest of the clock settings are not configurable.

- 7 Press **▲** or **▼** to highlight an option, then press **ENTER**. You can select:
 - **Time Zone**
 - **Daylight Savings**
 - **Year**
 - **Month**
 - **Day**
 - **Time**
- 8 Press **▲** or **▼** to adjust the setting, then press **ENTER**. If you selected the **Time** option, press **◀** or **▶** to move between the hour, minute, and AM/PM fields.
- 9 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Setting the sleep timer

To set the sleep timer using the SLEEP button:

- Press **SLEEP** one or more times to select the amount of time you want your TV to wait before it automatically turns off. The turn off the sleep timer, press **SLEEP** until **Off** appears on the screen.

To set the sleep time using the on-screen menu:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Time**, then press **ENTER**. The *Time* menu opens.



- Press **▲** or **▼** to highlight **Sleep Timer**, then press **ENTER**. The *Sleep Timer* menu opens.



- Press **▲** or **▼** to highlight the amount of time you want your TV to wait before it automatically turns off, then press **ENTER**. To turn off the sleep timer, select **Off**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting menu settings

Note

Unless otherwise noted, all tasks in this section are based on using the remote control.

Selecting the menu language

To select the menu language:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Menu Settings**, then press **ENTER**.
- Press **▲** or **▼** to highlight **Language**, then press **ENTER**. The *Language* menu opens.



- Press **▲** or **▼** to highlight the language you want, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Adjusting the menu transparency

To adjust the menu transparency:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Menu Settings**, then press **ENTER**.
- Press **▲** or **▼** to highlight **Transparency**, then press **ENTER**.



- Press **◀** or **▶** to adjust the transparency. Adjusting left increases the transparency. Adjusting right decrease the transparency.

- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Labeling a video input source

You can assign labels to the video jacks on your TV to make it easier to identify the devices connected to them. These labels are displayed when you press **INPUT** and **INFO**.

A video input label can consist of up to 11 characters. You can use letters, numbers, and the underscore symbol (_).

To label a video input source:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Input Labels**, then press **ENTER**.



- Press **▲** or **▼** to highlight the input jack you want to label, then press **ENTER**. The on-screen keyboard opens.



- Press **▲** **▼** **◀** or **▶** to highlight a character, then press **ENTER**. The characters you enter appear on the display bar above the keyboard.
 - To toggle between upper and lower case, highlight **Caps Lock**, then press **ENTER**.
 - To delete a character, highlight the backspace symbol (**←**), then press **ENTER**.
- When the label is correct, highlight **Enter**, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Turning the Auto Input Sensor on or off

When the **Auto Input Sensor** feature is turned on, your TV automatically detects and switches to a new input connection. For example, your TV will automatically switch to HDMI mode when an HDMI device is connected.

To turn Auto Input Sensor on or off:

- Press **MENU**. The on-screen menu opens.
- Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- Press **▲** or **▼** to highlight **Auto Input Sensor**, then press **ENTER**.



- Press **▲** or **▼** to highlight **On** or **Off**, then press **ENTER**.
- Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Restoring factory defaults

To restore factory defaults:

- 1 Press **MENU**. The on-screen menu opens.
- 2 Press **◀** or **▶** to highlight **SETTINGS**, then press **ENTER**. The *Settings* menu opens.



- 3 Press **▲** or **▼** to highlight **Reset to Default**, then press **ENTER**. A confirmation message appears.



- 4 Press **◀** or **▶** to highlight **Yes**, then press **ENTER**.
- 5 Press **MENU** to return to the previous menu, or press **EXIT** to close the menu.

Manufacturers' codes

Audio amplifiers

| Audio amplifiers | |
|------------------|--------------|
| Adcom | 30577, 31100 |
| Anthem | 32220 |
| Bose | 30674 |
| Carver | 30892 |
| Durabrand | 31561 |
| Elan | 30647 |
| GE | 30078 |
| Harman/Kardon | 30892 |
| JVC | 30331 |
| Left Coast | 30892 |
| Lenox | 31561 |
| Marantz | 30892 |
| McIntosh | 30251 |
| Modulaire | 30395 |
| NEC | 30264 |
| Optimus | 30395, 30823 |
| Philips | 30892 |
| Pioneer | 30823 |
| Polk Audio | 30892 |
| RadioShack | 30395 |
| RCA | 30823 |
| Realistic | 30395 |
| Shure | 30264 |
| Sony | 30689, 30815 |
| Soundesign | 30078 |
| Victor | 30331 |
| Wards | 30078 |
| Yamaha | 30354, 30133 |

Audio accessories

| Audio accessories | |
|-------------------|---------------------|
| Accurian | 31106 |
| Altec Lansing | 30607, 31056 |
| Apple | 31115 |
| Creative | 30872 |
| DLO | 31155 |
| GPX | 32113 |
| Griffin | 31891 |
| iDeck | 31106 |
| iHome | 32152 |
| iLive | 32113 |
| Imerge | 31491 |
| iPort | 31917 |
| Klipsch | 31339 |
| Marantz | 31491 |
| Memorex | 32119 |
| Monitor Audio | 31106 |
| Motorola | 31464 |
| Omnifi | 31605 |
| Roku | 31828 |
| Sonance | 31917 |
| Yamaha | 31809, 31810, 32021 |

Audio receivers

| Audio receivers | |
|----------------------|--|
| ADC | 30531 |
| Adcom | 30616 |
| Aiwa | 31405, 30189, 30121, 31089, 31388, 31641 |
| Akai | 30244, 31512 |
| Alco | 31390 |
| AMC | 31077 |
| Amphion Media Works | 31563 |
| AMW | 31563 |
| Anam | 31609, 31074 |
| Anthem | 31185 |
| Apex Digital | 31257, 31430, 31774 |
| Arcam | 31189 |
| Audiotronic | 31189 |
| Audiovox | 31390 |
| B & K | 30702, 30820, 30840 |
| BK | 30702 |
| Bose | 31229, 30639, 31253, 31629, 31841, 31933 |
| Cairn | 30189 |
| Cambridge Soundworks | 31370 |
| Capetronic | 30531 |
| Carver | 31189, 30189, 30121, 31089, 31289 |
| Coby | 31389 |
| Curtis Mathes | 30014 |
| Daewoo | 31250 |
| Denon | 31360, 30121, 31104, 31142, 31306, 32857 |
| Emerson | 30531 |
| Fisher | 31801 |
| Garrard | 30463 |
| Grundig | 30189 |
| Harman/Kardon | 30110, 30189, 30891, 31289, 31304, 31306, 32241 |
| Hitachi | 31273, 31801 |
| iLive | 32013 |
| Inkel | 30491 |
| Insignia | 31030, 31077, 31893, 32169, 32175 |
| Integra | 30135, 30842, 31298, 31320, 31805 |
| iSymphony | 32258 |
| JBL | 30110, 31306 |
| JVC | 31058, 30074, 31374, 31495, 31871, 32239 |
| Kawasaki | 31390 |
| Kenwood | 31313, 31570, 30077, 30186, 31027 |
| KLH | 31390, 31412, 31428 |
| Koss | 31366, 31497 |
| Lexicon | 31076 |
| LG | 31293, 32197 |
| Linn | 30189 |
| Liquid Video | 31497 |
| Magnavox | 31189, 31269, 30189, 30391, 30531, 31089, 31266, 31514 |
| Marantz | 31189, 31269, 30189, 30891, 31089, 31289 |
| McIntosh | 31289 |
| Micromega | 31189, 30189 |
| Mitsubishi | 31393 |
| Musicmagic | 31089 |
| Myryad | 31189 |
| Nakamichi | 31313, 30097, 31555 |
| Norcent | 31389 |

Audio receivers

| | |
|-----------------|---|
| Nova | 31389 |
| Onkyo | 30135, 30842, 31298, 31320, 31531, 31805, 31905 |
| Optimus | 31023, 30074, 30014, 30121, 30186, 30531, 31074 |
| Oritron | 31366, 31497 |
| Outlaw | 30391 |
| Panasonic | 31308, 31518, 30367, 31275, 31288, 31316, 31548, 31633, 31763, 31764 |
| Philips | 31189, 31269, 30189, 30391, 30891, 31089, 31266 |
| Pioneer | 31023, 30014, 30150, 30244, 30531, 30630, 31123, 31384, 31935 |
| Polaroid | 31508 |
| Polk Audio | 30189, 31289 |
| Proscan | 31254 |
| RadioShack | 31609 |
| RCA | 31023, 31609, 31254, 30531, 31074, 31123, 31390, 31511 |
| Realistic | 31609, 30121, 30186 |
| Revox | 30189 |
| Rio | 31869 |
| Samsung | 31295, 31304, 31500 |
| Sangean | 32165 |
| Sansui | 31189, 30189, 31089 |
| Sanyo | 31251, 31469, 31801 |
| Sharp | 30186, 31286 |
| Sharper Image | 31556 |
| Sherwood | 30491, 31077, 31653, 31905, 32169 |
| Sherwood | Newcastle 32169 |
| Sonic Blue | 31869 |
| Sonic Frontiers | 31185 |
| Sony | 31058, 31441, 31258, 31759, 31622, 30474, 31158, 31406, 31558, 31658, 31758, 31822, 31858 |
| Stereophonics | 31023 |
| Sunfire | 31313 |
| Teac | 30463, 31074, 31390, 31528 |
| Technics | 31308, 31518, 31633 |
| Thorens | 31189 |
| Toshiba | 30135, 30842, 31123, 31788 |
| Venturer | 31390 |
| Victor | 30074 |
| Wards | 30189, 30014 |
| XM | 31406 |
| Yamaha | 31023, 30176, 30186, 30376, 31176, 31276, 31331, 31375, 31376, 31476, 31815, 32061 |
| Zenith | 30857, 31293 |

Cable converters

| Cable converters | |
|------------------|---------------------|
| A-Mark | 00008, 00144 |
| ABC | 00237, 00003, 00008 |
| Accuphase | 00003 |
| Acorn | 00237 |
| Action | 00237 |
| Active | 00237 |
| ADB | 02586 |
| Americast | 00899 |
| Amino | 01602, 01822 |

Cable converters

| | |
|--------------------|---|
| Archer | 00237 |
| BCC | 00276 |
| Bell South | 00899 |
| British Telecom | 00003 |
| Century | 00008 |
| Cisco | 01877,00877,01982 |
| Clearmaster | 00883 |
| ClearMax | 00883 |
| Cool Box | 00883 |
| Coolmax | 00883 |
| Digeo | 01187, 02187 |
| Director | 00476 |
| Fosgate | 00276 |
| GE | 00144 |
| General Instrument | 00476,00810,00276,00003 |
| Gibralter | 00003 |
| GMI | 00883 |
| GoldStar | 00144 |
| Hamlin | 00009,00273 |
| Hitachi | 00003,00008, 00009 |
| i3 Micro | 01602 |
| Insight | 00476,00810 |
| Jerrold | 00476,00810, 00276, 00003 |
| Memorex | 00000 |
| Mitsubishi | 00003 |
| Motorola | 01376,00476, 00810, 00276, 01187, 01106, 01982 |
| Multitech | 00883 |
| Myrio | 01602,01822 |
| Nova Vision | 00008 |
| Novaplex | 00008 |
| Pace | 01877,00877,00237,00008,01982 |
| Panasonic | 00000,00008,00144,00107,01982 |
| Paragon | 00000,00008, 00525 |
| Penney | 00000 |
| Philips | 01305,00317 |
| Pioneer | 01877,00877, 00144, 00533 |
| Pulsar | 00000 |
| Quasar | 00000 |
| RadioShack | 00883 |
| RCA | 01256 |
| Regal | 00276,00279,00273 |
| Runco | 00000 |
| Samsung | 00003,00144,01982 |
| Scientific Atlanta | 01877,00877,00477,00237,00003,00000,00008,01982 |
| Sejin | 01602 |
| Sony | 01006 |
| Sprucer | 00144 |
| Starcom | 00003 |
| Supercable | 00276 |
| Supermax | 00883 |
| Thomson | 01256 |

Cable/PVR combos

Cable/PVR combos

| | |
|--------------------|-----------------------------------|
| Americast | 00899 |
| Amino | 01822 |
| Cisco | 01877, 01982 |
| Digeo | 01187, 02187 |
| General Instrument | 00810 |
| Jerrold | 00810 |
| Motorola | 01376, 00810, 01187, 01106, 01982 |
| Myrio | 01822 |
| Pace | 01877, 00237, 01982 |
| Pioneer | 01877 |
| RCA | 01256 |
| Scientific Atlanta | 01877, 01982 |
| Sony | 01006 |
| Supercable | 00276 |
| Thomson | 01256 |
| Zenith | 00899 |

CD players

CD players

| | |
|-----------------------|-------------------------------------|
| Acoustic Research | 30420 |
| Aiwa | 30157 |
| Arcam | 30157 |
| Audio Research | 30157 |
| Burmester | 30420 |
| Caim | 30157 |
| California Audio Labs | 30029 |
| Cambridge Soundworks | 30157 |
| Carver | 30157 |
| Curtis Mathes | 30032 |
| Denon | 30034 |
| DKK | 30000 |
| DMX Electronics | 30157 |
| Fisher | 30000 |
| Garrard | 30393,30420 |
| Genexxa | 30032 |
| Grundig | 30157 |
| Hafler | 30173 |
| Harman/Kardon | 30100,30157,30173 |
| Hitachi | 30032 |
| Inkel | 30157,30180 |
| Integra | 30101 |
| JVC | 30032,30072 |
| Kenwood | 30626,30000,30029,30028,30190 |
| KLH | 31318,31711 |
| Krell | 30157 |
| Linn | 30157 |
| Magnavox | 30157,30038,30274 |
| Marantz | 30626,30029,30157,30038,30180,30435 |
| Matsui | 30157 |
| McIntosh | 30256,30290,30660 |
| MCS | 30029 |
| Memorex | 30000, 30032,30420 |
| Micromega | 30157 |
| Miro | 30000 |
| Mission | 30157 |
| Modulaire | 30000,30032,30087,30180,30420 |
| MTC | 30420 |

| CD players | |
|-----------------|-------------------------------|
| Myryad | 30157 |
| NSM | 30157 |
| Onkyo | 31327,30101 |
| Optimus | 30000,30032,30087,30393,30420 |
| Panasonic | 30029,30388,30752 |
| Parasound | 30420 |
| Penney | 30029 |
| Philips | 30626,30157,30274 |
| Pioneer | 31062,30032,31087 |
| Polk Audio | 30157 |
| Proceed | 30420 |
| Proton | 30157 |
| QED | 30157 |
| Quad | 30157 |
| Quasar | 30029 |
| RadioShack | 30000,30032,30180,30420 |
| RCA | 31062, 30032,30053,30420 |
| Realistic | 30000,30032,30087,30180,30420 |
| Revox | 30157 |
| Roksan | 30435 |
| Rotel | 30157,30420 |
| SAE | 30157 |
| Sansui | 30000,30157 |
| Sanyo | 30000,30087 |
| Sharp | 30180 |
| Sherwood | 30180 |
| Sonic Frontiers | 30157 |
| Sony | 30490,30000,30100,31364,30185 |
| Sugden | 30157 |
| Sylvania | 30157 |
| Symphonic | 30180 |
| TAG McLaren | 30157 |
| Tandy | 30032 |
| Tascam | 30393,30420 |
| Teac | 30490,30180,30393,30420 |
| Technics | 30029 |
| Thule Audio | 30157 |
| Victor | 30072 |
| Wards | 30032,30157,30053,30087 |
| Yamaha | 30490,30036,31292 |
| Yorx | 30000 |

DVD players

| DVD players | |
|---------------------|---|
| 3D LAB | 20503, 20539 |
| Accurian | 20675, 21072, 21416 |
| Advent | 21016 |
| Afreedy | 20698 |
| Aiwa | 20641 |
| Akai | 20695, 20705, 20770, 20899, 21089 |
| Alba | 20672, 20717 |
| Alco | 20790 |
| Allegro | 20869 |
| Amphion Media Works | 20872 |
| AMW | 20872 |
| Apex Digital | 20533, 20672, 20717, 20755, 20794, 20796, 20797, 20830, 21004, 21020, 21056, 21061, 21100 |

| DVD players | |
|-----------------------|--|
| Arrgo | 21023 |
| Aspire Digital | 21168, 21407 |
| Astar | 21489 |
| Audiovox | 20717, 20790, 21041, 21071, 21072, 21121, 21122 |
| Axion | 21071, 21072 |
| B & K | 20655, 20662 |
| BBK | 21224 |
| Bel Canto Design | 21571 |
| Blaupunkt | 20717 |
| Blue Parade | 20571 |
| Blue Sky | 20695 |
| Bose | 21895, 22023 |
| Brandt | 20651 |
| Broksonic | 20695, 20868 |
| California Audio Labs | 20490 |
| Celestial | 21020 |
| Centrex | 20672, 21004 |
| Cinea | 20831 |
| CineVision | 20876, 20833, 20869 |
| Citizen | 21003, 20695, 21277 |
| Clairtone | 20571 |
| Coby | 20778, 21077, 21086, 21107, 21177 |
| Craig | 20831 |
| Creative | 20503, 20539 |
| Curtis Mathes | 21087 |
| CyberHome | 20816, 20874, 21023, 21024, 21117, 21129, 21502, 21537 |
| Cytron | 20705 |
| Daewoo | 20784, 20705, 20770, 20833, 20869, 21169, 21172, 21234, 21242 |
| Dansai | 20770 |
| Daytek | 20872 |
| Decca | 20770 |
| Denon | 20490, 20634, 22258 |
| Denver | 20778 |
| Desay | 21407 |
| DigitalMax | 21738 |
| Digitrex | 20672 |
| Disney | 20675, 21270 |
| DiViDo | 20705 |
| Dual | 20675, 21068, 21085 |
| Durabrand | 21127 |
| DVD2000 | 20521 |
| Electrohome | 21003 |
| Emerson | 20591, 20675, 20821, 21268 |
| Enterprise | 20591 |
| Entivo | 20503, 20539 |
| Enzer | 20770 |
| ESA | 20821, 21268 |
| Firstline | 20651 |
| Fisher | 20670 |
| Funai | 20675, 21268, 21334 |
| Gateway | 21073, 21077, 21158 |
| GE | 20522, 20815, 20717 |
| Go Video | 20573, 20744, 20717, 20715, 20741, 20783, 20833, 20869, 21044, 21075, 21099, 21158, 21304, 21730 |
| Go Vision | 21071, 21072 |

| DVD players | |
|---------------|---|
| GoldStar | 20741, 20869 |
| Goodmans | 20790 |
| Gradiente | 20490, 20651 |
| Greenhill | 20717 |
| Grundig | 20539, 20705 |
| Harman/Kardon | 20582, 20702 |
| Hello Kitty | 20831 |
| Hitachi | 20573, 20664, 21247 |
| Hiteker | 20672 |
| Humax | 21500, 21588 |
| iLo | 21348 |
| Initial | 20717 |
| Insignia | 21268 |
| Integra | 20571, 20627, 21769 |
| IRT | 20783 |
| JBL | 20702 |
| Jensen | 21016 |
| JMB | 20695 |
| JVC | 20558, 20623, 20867, 21164, 21275, 21550 |
| Kawasaki | 20790 |
| Kenwood | 20490, 20534 |
| KLH | 20717, 20790, 21020, 21149 |
| Kloss | 20533 |
| Koss | 20651, 21061 |
| Lasonic | 20627, 20798 |
| Lecson | 21533 |
| Lennox 21127 | |
| LG | 20591, 20741, 20869 |
| LiteOn | 21058, 21158, 21416, 21440, 21656, 21738 |
| Loewe | 20511, 20741 |
| Logix | 20783 |
| Magnasonic | 20651, 20675 |
| Magnavox | 20503, 20539, 20646, 20675, 20821, 21268, 21354, 21506 |
| Marantz | 20503, 20539, 20675 |
| McIntosh | 21533, 21273 |
| Medion | 20651 |
| Memorex | 20695, 20831, 21270 |
| Microsoft | 20522, 22083 |
| Minato | 20752 |
| Mintek | 20839, 20717 |
| Mitsubishi | 21521, 20521 |
| NAD | 20741 |
| Naiko | 20770 |
| NEC | 20785, 20869 |
| Nesa | 20717 |
| NexxTech | 21402 |
| Norcent | 21003, 20872, 21107, 21265 |
| Onkyo | 20503, 20627, 21769 |
| Oppo | 20575, 21224 |
| Optimus | 20571 |
| Oritron | 20651 |
| Palsonic | 20672 |
| Panasonic | 20503, 20490, 20571, 20632, 20703, 21362, 21462, 21490, 21641, 21762 |
| Philco | 20675 |
| Philips | 20503, 20539, 20646, 20675, 20854, 21260, 21267, 21340, 21354, 22056, 22084 |
| PianoDisc | 21024 |

| DVD players | |
|--------------------|--|
| Pioneer | 20525, 20571, 20142, 20631, 20632, 21460, 21512, 21571 |
| Polaroid | 21020, 21061, 21086 |
| Polk Audio | 20539 |
| Portland | 20770 |
| Presidian | 20675, 21072, 21738 |
| Prima | 21016 |
| Proceed | 20672 |
| Proscan | 20522 |
| ProVision | 20778 |
| Qwestar | 20651 |
| Radionette | 20741 |
| RadioShack | 20571 |
| RCA | 20522, 20571, 20717, 20790, 20822, 21022, 21132, 21769 |
| Realistic | 20571 |
| Reoc | 20752 |
| Rio | 20869 |
| Rotel | 20623, 21178 |
| Rowa | 20823, 21004 |
| Saba | 20651 |
| Sampo | 20698, 20752 |
| Samsung | 20490, 20573, 20744, 20199, 20820, 20899, 21044, 21075 |
| Sansui | 20695 |
| Sanyo | 20670, 20675, 20695, 20873, 21334 |
| Schneider | 20783 |
| Schwaiger | 20752 |
| Sensory Science | 21158 |
| Sharp | 20630, 20675, 20752, 21256, 22250 |
| Sharper Image | 21117 |
| Sherwood | 20770, 21043, 21077 |
| Sherwood Newcastle | 21077 |
| Shinsonic | 20533, 20839 |
| Slim Art | 20784 |
| Sonic Blue | 20573, 20715, 20783, 20869, 21099 |
| Sony | 20533, 21533, 20864, 21033, 21070, 21431, 21516 |
| Sova | 21122 |
| Superscan | 20821 |
| SVA | 20717 |
| Sylvania | 20675, 20821, 21268 |
| Symphonic | 20675, 20821, 21268, 21334 |
| Tatung | 20770 |
| Teac | 20571, 20717, 20790 |
| Technics | 20490, 20703 |
| Technika | 20770 |
| Terapin | 21031 |
| Tevion | 20651 |
| Theta Digital | 20571 |
| Thomson | 20522, 20511 |
| Tivo | 21503, 21512, 21588 |
| Toshiba | 20503, 20573, 20539, 20695, 21045, 21154, 21503, 21510, 21588, 21769 |
| Unimax | 20770 |
| Universum | 20591 |
| Urban Concepts | 20503, 20539 |
| US Logic | 20839 |
| V | 21064, 21226 |

DVD players

| | |
|----------|----------------------------|
| Venturer | 20790 |
| Vizio | 21064, 21226 |
| Xbox | 20522, 22083 |
| Yamaha | 20490, 20539, 20545 |
| Yamakawa | 20872 |
| Zenith | 20503, 20591, 20741, 20869 |
| Zeus | 20784 |
| Zoece | 21265 |

DVD players (Blu Ray and HD-DVD)**DVD players (Blu Ray and HD-DVD)**

| | |
|-----------|-------|
| Denon | 22258 |
| Integra | 21769 |
| LG | 20741 |
| Microsoft | 22083 |
| Onkyo | 21769 |
| Panasonic | 21641 |
| Philips | 22084 |
| Pioneer | 20142 |
| RCA | 21769 |
| Samsung | 20199 |
| Sharp | 22250 |
| Sony | 21516 |
| Toshiba | 21769 |
| Xbox | 22083 |

DVD/PVR combos controlled by the DVD**DVD/PVR combos controlled by the DVD**

| | |
|-----------|---------------------|
| Go Video | 21730 |
| Humax | 21500, 21588 |
| LG | 20741 |
| Panasonic | 20490 |
| Philips | 21340 |
| Pioneer | 20631, 21512 |
| RCA | 20522 |
| Sharp | 21256 |
| Sony | 21033, 21070 |
| Sylvania | 20675 |
| Tivo | 21512 |
| Toshiba | 21503, 21510, 21588 |

Home automation**Home automation**

| | |
|------------|----------------------------|
| Accutek | 31215 |
| Amana | 31716 |
| Bionaire | 30846, 31215, 31861 |
| Da-Lite | 31794 |
| Draper | 32190 |
| Frigidaire | 31333 |
| GE | 30240 |
| GoldStar | 31537 |
| Holmes | 31215 |
| Kenmore | 31537 |
| Lasko | 30846, 31890 |
| LG | 31537 |
| Lightolier | 30184 |
| Lutron | 30597, 30318, 31239, 31597 |
| Marmitek | 30167 |

Home automation

| | |
|-----------------|-------|
| One For All | 30167 |
| PCS | 30184 |
| RadioShack | 30240 |
| Screen Research | 32097 |
| Security System | 30167 |
| Sharper Image | 30846 |
| SmartLinc | 30184 |
| Universal | 30167 |
| Universal X10 | 30167 |
| Whirlpool | 31332 |
| Windmere | 31215 |
| X10 | 30167 |

DVR/PVR Systems for satellite receivers**DVR/PVR systems for satellite receivers**

| | |
|------------------------|--|
| AlphaStar | 00772 |
| Bell ExpressVu | 00775, 01170 |
| Chaparral | 00216 |
| Coolsat | 01806 |
| Crossdigital | 01109 |
| DirecTV | 01377, 00392, 00566, 00639, 01639, 01142, 00247, 00749, 01749, 00819, 01856, 01076, 01108, 00099, 01109, 01392, 01414, 01442, 01443, 01444, 01609, 01640 |
| Dish Network System | 01505, 00775, 01170, 01775 |
| Dishpro | 01505, 00775, 01775 |
| Echostar | 01505, 00775, 01170, 01775 |
| Expressvu | 00775, 01775 |
| Fortec Star | 01821 |
| Funai | 01377 |
| GE | 00392, 00566 |
| General Instrument | 00869 |
| GOI | 00775, 01775 |
| Hitachi | 00749, 00819 |
| Houston | 00775 |
| HTS | 00775, 01775 |
| Hughes Network Systems | 01142, 00749, 01749, 01442, 01443, 01444 |
| Humax | 01790 |
| Innova | 00099 |
| Jerrold | 00869 |
| JVC | 00775, 01170, 01775 |
| LG | 01226, 01414 |
| Magnavox | 00722 |
| McIntosh | 00869 |
| Mitsubishi | 00749 |
| Motorola | 00869 |
| Netsat | 00099 |
| Next Level | 00869 |
| Panasonic | 00247, 00701 |
| Pansat | 01807 |
| Philips | 01142, 00749, 01749, 00775, 00819, 01076, 00722, 00099, 01442 |
| Primestar | 00869 |
| Proscan | 00392, 00566 |
| RadioShack | 00566, 00775, 00869 |
| RCA | 00392, 00566, 01142, 00775, 00855, 00143, 01392, 01442 |
| Samsung | 01377, 01142, 01276, 01108, 01109, 01442, 01609 |

DVR/PVR systems for satellite receivers

| | |
|-------------|----------------------------|
| SKY | 00099 |
| Sony | 00639, 01639, 01640 |
| Star Choice | 00869 |
| Star Trak | 00772, 00869 |
| Thomson | 00392, 00566 |
| Tivo | 01142, 01442, 01443, 01444 |
| Toshiba | 00749, 01749, 00790, 01285 |
| UltimateTV | 01392, 01640 |
| Ultrasat | 01806 |
| Uniden | 00722 |
| Voom | 00869 |
| Zenith | 01856 |

TVs
TVs

| | |
|----------------|--|
| A-Mark | 10047, 10054 |
| Accurian | 11803 |
| Accuscan | 10047 |
| Action | 10030, 10873 |
| Admiral | 10047, 10054, 10017, 10051, 10093, 10463, 10180 |
| Advent | 10761, 10783, 10815, 10817, 10842 |
| Adventuri | 10000 |
| Agna | 10150 |
| Aiko | 10092 |
| Akai | 10060, 10812, 10702, 10030, 10145, 10056, 10672, 11675, 11676, 11935 |
| Albatron | 10700, 10843 |
| Alfide | 10672 |
| Alleron | 10030 |
| Ambassador | 10150, 10177 |
| America Action | 10180 |
| American High | 10000, 10060 |
| Ampro | 10751 |
| Amstrad | 10171, 10177 |
| Amtron | 10000, 10180 |
| Anam | 10180 |
| AOC | 10180, 10030, 11365 |
| Aomni | 11623 |
| Apex Digital | 10156, 10748, 10879, 10765, 10767, 10890, 11217 |
| Astar | 11531, 11738 |
| Audinac | 10180 |
| Audiovox | 10451, 10180, 10092, 10623, 10802, 10846, 10875, 11937, 11951, 11952 |
| Aventura | 10171 |
| Axon | 11937 |
| Baysonic | 10180 |
| Beaumark | 10017, 10178, 10030 |
| Belcor | 10030 |
| Bell & Howell | 10054, 10154, 10093 |
| BenQ | 11032, 11212, 11315 |
| Boxlight | 10893 |
| Bradford | 10180 |
| Brockwood | 10178, 10030, 10056 |
| Broksonic | 10236, 10463, 10180, 10177, 11935 |
| Byd:sign | 11309 |
| Candle | 10030, 10056 |
| Capehart | 10017, 10178, 10030, 10092 |

TVs

| | |
|----------------------|--|
| Carnivale | 10030 |
| Carver | 10054 |
| Celebrity | 10000 |
| Celera | 10765 |
| Changhong | 10156, 10765, 10767, 10783 |
| Cineral | 10451, 10092 |
| Citek | 10047 |
| Citizen | 10054, 10000, 10451, 10463, 10180, 10060, 10030, 10171, 10092, 10056, 11935 |
| Clarion | 10180 |
| Classic | 10030, 10092, 10056 |
| Colortyme | 10047, 10054, 10017, 10060, 10178, 10030 |
| Commercial Solutions | 11447, 10047 |
| Concerto | 10056 |
| Conic | 10178 |
| Contec | 10180 |
| Craig | 10180, 10171 |
| Crosley | 10054, 10000, 10180, 10030, 10171 |
| Crown | 10093, 10180, 10056, 10672 |
| Crown Mustang | 10672 |
| Curtis Mathes | 10047, 10054, 10154, 10000, 10051, 10451, 10093, 10180, 10060, 10702, 10178, 10030, 10145, 10166, 10056, 10466, 11147, 11347 |
| CXC | 10180 |
| Cytron | 11326 |
| Daewoo | 10451, 10178, 10092, 11661, 11756, 10623, 10661, 10672, 11755 |
| Dayton | 10092 |
| Daytron | 10178, 10030, 10092, 10056 |
| Dell | 11080, 11178, 11264, 11403, 11863 |
| Denon | 10145 |
| Digital Life | 10872 |
| Dream Vision | 11164 |
| Dumont | 10017, 10180, 10178 |
| Durabrand | 10463, 10180, 10178, 10171, 11034 |
| Dwin | 10093, 10720, 10774 |
| Dynex | 11463, 11780, 11785, 11810 |
| Eaton | 10060 |
| Electroband | 10000 |
| Electrograph | 11623, 11755 |
| Electrohome | 10154, 10000, 10463, 10150, 10178, 10030, 10056 |
| Emerald | 10178, 10177 |
| Emerson | 10047, 10154, 10451, 10236, 10463, 10180, 10150, 10178, 10171, 10177, 10623, 11394, 11963 |
| Emprex | 11422 |
| Envision | 10030, 10813, 11365 |
| Epson | 10833, 10840 |
| ESA | 10812, 10171, 11963 |
| Fisher | 10054, 10154, 10000 |
| Fortress | 10093 |
| Fujitsu | 10683, 10809, 10853 |
| Funai | 10000, 10180, 10171, 11271, 11963 |
| Futurtech | 10180 |
| Gateway | 11756, 11755 |
| GE | 11447, 10047, 10000, 10051, 10451, 10060, 10178, 10030, 11147, 11347 |
| Gemini | 10047 |
| Gibraltar | 10017, 10000, 10030 |

| TVs | |
|-----------------|---|
| Go Video | 10886 |
| Go Vision | 11937 |
| GoldStar | 10047, 10054, 10178, 10030, 10056, 11154 |
| Gradiente | 10053, 10056 |
| Grundig | 10706, 10672, 10683 |
| Grundy | 10180 |
| Grunpy | 10180 |
| Haier | 11034 |
| Hallmark | 10236, 10180, 10178 |
| Hannspree | 11348, 11351, 11745 |
| Harley Davidson | 10000, 10180, 10060, 10178, 10030 |
| Harman/Kardon | 10054 |
| Harvard | 10180 |
| Havermy | 10093 |
| Heathkit | 10017 |
| Helios | 10865 |
| Hello Kitty | 10451 |
| Hewlett Packard | 11494, 11502, 11642 |
| Hisense | 10748 |
| Hitachi | 10047, 10054, 10017, 10000, 10051, 11145, 10145, 10056, 11445, 11643 |
| HP | 11494, 11502, 11642 |
| Hyundai | 10849, 10865, 11219, 11294 |
| iLo | 11286, 11603, 11684, 11990 |
| Ima | 10236, 10180, 10178 |
| Infinity | 10054 |
| InFocus | 11164 |
| Initial | 11603, 11990 |
| Insignia | 10171, 11204, 11326, 11517, 11564, 11641, 11710, 11780, 11963, 12002 |
| Inteq | 10017, 10145 |
| JBL | 10054 |
| JCB | 10000 |
| Jensen | 10761, 10815, 10817 |
| JIL | 10030 |
| Jutan | 10030 |
| JVC | 10054, 10053, 10030, 10650, 10731, 11253, 11774 |
| Kamp | 10017, 10180 |
| Kawasho | 10030 |
| KEC | 10180, 10060 |
| Kenwood | 10180, 10030 |
| KLH | 10156, 10180, 10765, 10767 |
| Kloss | 10030 |
| Konka | 10180, 10720 |
| KTV | 10463, 10180, 10030 |
| Lark | 10154 |
| LG | 10054, 11265, 10060, 10178, 10030, 10056, 10700, 10856, 11154, 11178, 11423, 11993 |
| Lloyd's | 10236, 10180, 10030, 10056 |
| Logik | 10236, 10180, 10056 |
| Luxman | 10056 |
| LXI | 10047, 10054, 10017, 10154, 10000, 10156, 10051, 10093, 10060, 10053, 10178, 10030, 10171, 10166, 10056 |
| Magnasonic | 10054, 10000, 10156, 10093, 10030, 10092, 10056 |
| Magnavox | 10047, 11454, 10054, 10154, 10000, 10250, 10051, 10180, 10060, 10030, 10171, 10092, 10706, 10802, 11198, 11254, 11365, 11755, 11866, 11963, 11990 |

| TVs | |
|----------------|---|
| Majestic | 10017 |
| Marantz | 11454, 10054, 10030, 10704, 10855, 11154, 11398 |
| Matsui | 10056, 10177 |
| Matsushita | 10250, 10051, 10650 |
| Maxent | 11756, 10762, 11211, 11714, 11755, 11757 |
| Megapower | 10700 |
| Megatron | 10047, 10178, 10145, 10056 |
| Memorex | 10154, 10463, 10180, 10150, 10178, 10030, 10056 |
| MGA | 10150, 10178, 10030 |
| MGN Technology | 10178 |
| Micro Genius | 10150 |
| Midland | 10047, 10017, 10051, 10056 |
| Mintek | 11603, 11990 |
| Mitsubishi | 10154, 10093, 11250, 10150, 10178, 10030, 10836, 10868, 11392 |
| Monivision | 10700, 10843 |
| Motorola | 10054, 10051, 10093, 10150 |
| MTC | 10180, 10060, 10030, 10092, 10056 |
| Multitech | 10180 |
| NAD | 10156, 10178, 10166, 10056, 10866, 11156 |
| NEC | 10047, 10178, 10030, 10056, 10497, 10704, 10882, 11398, 11704 |
| NetTV | 10762, 11755 |
| New Tech | 10056 |
| Nikko | 10178, 10030, 10092 |
| Nikkodo | 10178, 10030, 10092 |
| Nishi | 10030 |
| Norcent | 10748, 10824, 11365 |
| Norwood Micro | 11286 |
| NTC | 10092 |
| Nyon | 10000 |
| Olevia | 11144, 11240, 11331, 11610 |
| Onwa | 10180 |
| Optimus | 10154, 10250, 10093, 10180, 10150, 10178, 10030, 10166, 10056, 10650 |
| Optoma | 11348 |
| Optonica | 10093 |
| Orion | 10017, 10236, 10463, 10180, 10178, 11463, 10177 |
| Pace | 10092 |
| Panasonic | 10054, 10000, 10156, 10250, 10051, 10236, 10030, 10650, 11291, 11310, 11410, 11480, 11941 |
| Panda | 10706 |
| Paxonic | 10060, 10030 |
| PCE | 10156, 10060 |
| Penney | 10047, 10000, 10156, 10250, 10051, 10060, 10178, 10030, 10056, 11347 |
| Petters | 11523 |
| Philco | 10054, 10463, 10030, 10145 |
| Philips | 11454, 10054, 10030, 10171, 10056, 10690, 11154, 11254, 11744, 11867 |
| Pilot | 10051, 10060, 10178, 10030, 10056 |
| Pioneer | 10166, 10679, 10866, 11260, 11398, 11457 |
| Planar | 11496 |
| Polaroid | 10765, 10865, 11276, 11314, 11326, 11328, 11341, 11523, 11766, 12002 |
| Portland | 10451, 10092 |
| Precision | 10236, 10180, 10177 |

| TVs | |
|-------------------|--|
| Prima | 10761, 10783, 10815, 10817, 11785 |
| Princeton | 10700, 10717 |
| Prism | 10250, 10051 |
| Proscan | 11447, 10047, 10466, 11347 |
| Proton | 10178, 10466 |
| Pulsar | 10017, 10092 |
| Pulser | 10178, 10092 |
| Quartz | 10150, 10178 |
| Quasar | 10250, 10051, 10650 |
| Rabbit | 10047 |
| RadioShack | 10047, 10154, 10180, 10150, 10178, 10030, 10056 |
| RCA | 11447, 10047, 10054, 10000, 10051, 10093, 10178, 12002, 11958, 11781, 11547, 11347, 11247, 11147, 11047, 10774, 10679, 10090 |
| Realistic | 10047, 10154, 10180, 10150, 10178, 10030, 10056 |
| RevolutionHD | 11623 |
| Runco | 10017, 10060, 10030, 10497, 10603, 11292, 11398, 11629 |
| Sampo | 10047, 10030, 11756, 10762, 11755 |
| Samsung | 10047, 10054, 10017, 10154, 10060, 10812, 10702, 10178, 10030, 10056, 10587, 10766, 10814, 11060, 11575 |
| Sanky | 10060, 10030 |
| Sansui | 10463, 10060, 10030, 11409, 11935 |
| Sanyo | 10047, 10054, 10154, 10000, 10463, 10171, 10088, 10799, 10893, 11142, 11755 |
| Saville | 10060 |
| Sceptre | 10878, 11217, 11360, 11599 |
| Scotch | 10178 |
| Scott | 10236, 10180, 10178, 10030, 10177, 11711 |
| Sears | 10047, 10054, 10017, 10154, 10000, 10156, 10051, 10093, 10060, 10053, 10178, 10030, 10171, 10166, 10056 |
| Seleco | 11351 |
| Sharp | 10054, 10093, 10180, 10491, 10688, 10689, 10818, 10851, 11602 |
| Sheng Chia | 10093 |
| Shivaki | 10178 |
| Siemens | 10145 |
| Signature | 10047, 10093, 10030 |
| Simpson | 10178, 10030 |
| Singer | 10060, 10092 |
| Solar Drape | 10000 |
| Sole | 10813, 11623 |
| Sony | 10017, 10154, 11100, 10000, 10150, 10053, 10834, 11685 |
| Soundesign | 10180, 10178, 10056 |
| Sova | 11952 |
| Soyo | 11520, 11826 |
| Spectravision | 10156, 10178 |
| Squareview | 10171 |
| SR2000 | 10154, 10171 |
| SSS | 10180 |
| Starlite | 10236, 10180 |
| Studio Experience | 10843 |
| Superscan | 10093, 10864 |
| Supreme | 10000 |
| SV2000 | 10054 |
| SVA | 10748, 10587, 10865, 10870, 10871, 10872 |

| TVs | |
|--------------------|--|
| Sylvania | 10047, 10054, 10154, 10000, 10051, 10178, 10030, 10171, 10092, 10056, 11271, 11314, 11394, 11864, 11963 |
| Symphonic | 10000, 10180, 10178, 10171 |
| Syntax | 11144, 11240, 11331, 11610 |
| Tandy | 10093 |
| Tatung | 10000, 10051, 11756, 11286 |
| Teac | 10154, 10706, 10689 |
| Technics | 10054, 10250, 10051 |
| Technovox | 10030 |
| Techview | 10847, 12004 |
| Techwood | 10250, 10051, 10060, 10056 |
| Teco | 11040 |
| Teknika | 10054, 10463, 10180, 10150, 10060, 10178, 10092, 10056 |
| Telecolor | 10017 |
| Telefunken | 10702, 10056 |
| Thomas | 10047, 10178, 10056 |
| Thomson | 11447, 10047 |
| TMK | 10236, 10180, 10178, 10056, 10177 |
| TNCi | 10017 |
| Tocom | 10156 |
| Toshiba | 10154, 11256, 10156, 10150, 11265, 10060, 11145, 10145, 10166, 12006, 11935, 11704, 11656, 11635, 11524, 11356, 11164, 11156, 10845, 10832, 10822, 10650 |
| Totevision | 10051 |
| Toyomenka | 10178 |
| Truetone | 10250, 10051 |
| TruTech | 11723 |
| TVS | 10463 |
| Ultra | 10092 |
| Universal | 10047 |
| Universum | 10177 |
| US Logic | 11286 |
| V | 11756, 10864, 10885, 11755 |
| Vector Research | 10030 |
| Victor | 10053 |
| Vidikron | 10054, 11292, 11398, 11629 |
| Vidtech | 10178 |
| Viewsonic | 10857, 10864, 10885, 11330, 11578, 11627, 11640, 11755, 12014 |
| Viking | 10060 |
| Viore | 11684 |
| Vizio | 11756, 11758, 10864, 10885, 11755 |
| Wards | 10047, 10054, 10017, 10154, 10000, 10051, 10093, 10236, 10178, 10030, 10166, 10056, 10866, 11156 |
| Waycon | 10156 |
| Welton | 10178 |
| Westinghouse | 10000, 10451, 10885, 10889, 10890, 11282, 11577, 11712 |
| White Westinghouse | 10451, 10236, 10463, 10623, 10889 |
| World | 10451, 10236, 10463, 10180 |
| Wyse | 11365 |
| XR-1000 | 10154, 10180, 10171 |
| Yamaha | 10030, 10769, 10833, 10839, 11526 |
| Yorx | 10030 |
| Zenith | 10047, 10017, 10000, 10093, 10463, 11265, 10812, 10178, 10030, 11145, 10145, 10171, 10092 |

TV/DVD combination controlled by the DVD

| TV/DVD combination controlled by the DVD | |
|--|---------------------|
| Advent | 21016 |
| Akai | 20695 |
| Apex Digital | 20830 |
| Audiovox | 21071, 21121, 21122 |
| Axon | 21071 |
| Broksonic | 20695 |
| Citizen | 20695 |
| Emerson | 20675, 21268 |
| ESA | 21268 |
| Funai | 21268 |
| Go Vision | 21071 |
| Hitachi | 21247 |
| Insignia | 21268 |
| Jensen | 21016 |
| Magnavox | 21268 |
| Panasonic | 21490 |
| Philips | 20854, 21260 |
| Prima | 21016 |
| RCA | 21022 |
| Samsung | 20899 |
| Sansui | 20695 |
| Sova | 21122 |
| Sylvania | 20675, 21268 |
| Toshiba | 20695 |

TV/DVD combination controlled by the TV

| TV/DVD combination controlled by the TV | |
|---|----------------------------|
| Accurian | 11803 |
| Akai | 11675, 11935 |
| Audiovox | 11937, 11951, 11952 |
| Axon | 11937 |
| Broksonic | 11935 |
| Citizen | 11935 |
| Dynex | 11810 |
| Emerson | 11394, 11963 |
| ESA | 11963 |
| Funai | 11963 |
| iLo | 11990 |
| Initial | 11990 |
| Insignia | 11963, 12002 |
| LG | 11993 |
| Magnavox | 11866, 11963, 11990 |
| Maxent | 11714 |
| Mintek | 11990 |
| Panasonic | 11941 |
| Polaroid | 11523, 11766, 12002 |
| RCA | 11958, 12002 |
| Sansui | 11935 |
| Sova | 11952 |
| Sylvania | 11394, 11864, 11963 |
| Techview | 12004 |
| Toshiba | 11524, 11635, 11935, 12006 |

TV/VCR combination controlled by the TV

| TV/VCR combination controlled by the TV | |
|---|-------|
| America Action | 10180 |
| Audiovox | 10180 |
| Emerson | 10236 |

TV/VCR combination controlled by the VCR

| TV/VCR combination controlled by the VCR | |
|--|-----------------------------------|
| Broksonic | 20479, 21479 |
| Citizen | 21278 |
| Curtis Mathes | 21035 |
| Daewoo | 21278 |
| Emerson | 20479, 20593, 21278, 21479 |
| Funai | 20000 |
| GE | 20807, 21035, 21060 |
| GoldStar | 21237 |
| Harley Davidson | 20000 |
| Hitachi | 20000 |
| LG | 21037 |
| Lloyd's | 20000 |
| Magnasonic | 20593, 21278 |
| Magnavox | 20000, 20593, 21781 |
| Memorex | 20162, 21037, 21162, 21237, 21262 |
| Mitsubishi | 20807 |
| Optimus | 20162, 20593, 21162, 21262 |
| Orion | 20479, 21479 |
| Panasonic | 20162, 21035, 21162, 21262 |
| Penney | 21035, 21237 |
| Quasar | 20162, 21035, 21162 |
| RadioShack | 20000, 21037 |
| RCA | 20807, 21035, 21060 |
| Samsung | 21014 |
| Sansui | 20000, 20479, 21479 |
| Sears | 20000, 21237 |
| Sony | 20000, 21232 |
| Sylvania | 21781 |
| Symphonic | 20000, 20593 |
| Thomas | 20000 |
| Toshiba | 20845, 21145 |
| Zenith | 20000, 20479, 21479 |

TV/VCR/DVD combination controlled by the DVD

| TV/VCR/DVD combination controlled by the DVD | |
|--|--------------|
| Akai | 20899 |
| Broksonic | 20868 |
| Emerson | 20821 |
| ESA | 20821 |
| Funai | 21334 |
| Magnavox | 20821 |
| Panasonic | 21362, 21462 |
| RCA | 21132 |
| Sharp | 20630 |
| Superscan | 20821 |
| Sylvania | 20821 |
| Symphonic | 20821 |
| Toshiba | 21045 |

TV/VCR/DVD combination controlled by the VCR

TV/VCR/DVD combination controlled by the VCR

| | |
|-------|-------|
| Sharp | 20807 |
|-------|-------|

VCRs

| VCRs | |
|---------------|---|
| A-Mark | 20037, 20000, 20046 |
| ABS | 21972 |
| Accurian | 20000 |
| Admiral | 20060, 20048, 20039, 20209, 20479 |
| Adventura | 20037, 20000 |
| Aiwa | 20037, 20000 |
| Alba | 20209 |
| Alienware | 21972 |
| Allegro | 20039 |
| American High | 20035, 20081 |
| Amstrad | 20000 |
| Astra | 20035 |
| Audiovox | 20037, 20038 |
| Avis | 20000 |
| Bell & Howell | 20035, 20048, 20039, 20000, 20046, 20479 |
| Broksonic | 20184, 20121, 20209, 20479, 21479 |
| Calix | 20037 |
| Candle | 20037, 20038 |
| Canon | 20035 |
| Carver | 20035, 20081 |
| Citizen | 20035, 20037, 20000, 20209, 20479, 21278 |
| Classic | 20037 |
| Colortyme | 20060, 20035, 20045 |
| Colt | 20000 |
| Craig | 20037 |
| Criterion | 20000 |
| Crosley | 20035, 20081, 20000, 20149 |
| Curtis Mathes | 20060, 20035, 20162, 20000, 21035 |
| CyberPower | 21972 |
| Daewoo | 20037, 20045, 20046, 21278 |
| Daytron | 20037 |
| Dell | 21972 |
| Denon | 20081, 20042 |
| DirecTV | 20739 |
| Dual | 20000 |
| Durabrand | 20039, 20038 |
| Dynatech | 20000 |
| Electrohome | 20060, 20037, 20000, 20043, 20209 |
| Electroponic | 20037 |
| Emerald | 20184, 20121 |
| Emerex | 20032 |
| Emerson | 20037, 20184, 20000, 20121, 20043, 20209, 20479, 20593, 21278, 21479, 21593 |
| Fisher | 20039, 20000, 20046 |
| Fuji | 20035, 20033 |
| Fujitsu | 20000 |
| Funai | 20037, 20000, 20593, 21593 |
| Garrard | 20000 |
| Gateway | 21972 |
| GE | 20060, 20035, 20048, 20000, 20149, 20807, 21035, 21060 |
| Gemini | 20060 |
| Genexxa | 20037, 20000 |

VCRs

| | |
|------------------------|---|
| Go Video | 20614 |
| GoldStar | 20035, 20037, 20039, 20000, 20038, 21237 |
| Goodmans | 20037, 20081, 20000 |
| Gradiente | 20000 |
| Granada | 20081, 20042 |
| Grundig | 20081 |
| Harley Davidson | 20000 |
| Harman/Kardon | 20081, 20038 |
| Headquarter | 20046 |
| Hewlett Packard | 21972 |
| HI-Q 20035, | 20000 |
| Hitachi | 20035, 20037, 20045, 20000, 20042, 20089 |
| Howard Computers | 21972 |
| HP | 21972 |
| Hughes Network Systems | 20042, 20739 |
| Humax | 20739 |
| Hush | 21972 |
| Hytek | 20000 |
| iBUYPOWER | 21972 |
| Instant Replay | 20035 |
| Jensen | 20067 |
| JVC | 20067, 21162 |
| KEC | 20037 |
| Kenwood | 20067, 20038, 20046 |
| Kodak | 20035, 20037 |
| KTV | 20000 |
| LG | 20037, 20038, 21037 |
| Linksys | 21972 |
| Lloyd's | 20000, 20038 |
| Loewe | 20081 |
| Logik | 20000 |
| Luxor | 20046 |
| LXI | 20037, 20000, 20042, 20067 |
| Magnasonic | 20037, 20000, 20593, 21278 |
| Magnavox | 20035, 20037, 20048, 20039, 20081, 20000, 20149, 20563, 20593, 20618, 21593, 21781 |
| Marantz | 20035, 20081, 20038 |
| Marta | 20037 |
| Matsui | 20037, 20209 |
| Matsushita | 20035, 20162, 20081, 21162 |
| Media Center PC | 21972 |
| MEI | 20035 |
| Memorex | 20035, 20162, 20037, 20048, 20039, 20000, 20209, 20046, 20479, 21037, 21162, 21237, 21262 |
| Metz | 20037 |
| MGA | 20060, 20043 |
| Microsoft | 21972 |
| Mind | 21972 |
| Minolta | 20042 |
| Mitsubishi | 20060, 20048, 20000, 20042, 20067, 20043, 20807 |
| Motorola | 20035, 20048 |
| MTC | 20000 |
| MTX | 20000 |
| Multitech | 20039, 20000 |
| NEC | 20067, 20038 |
| Nikko | 20037 |

| VCRs | |
|--------------|--|
| Nikkodo | 20037 |
| Niveus Media | 21972 |
| Northgate | 21972 |
| Olympus | 20035, 20162 |
| Optimus | 21062, 20035, 20162, 20037, 20048, 20000, 20593, 21162, 21262 |
| Orion | 20184, 20000, 20121, 20209, 20479, 21479 |
| Panama | 20035 |
| Panasonic | 21062, 20035, 20162, 20000, 20225, 20614, 20616, 21035, 21162, 21262 Penney 20035, 20162, 20037, 20081, 20000, 20042, 20067, 20038, 21035, 21237 |
| Pentax | 20042 |
| Philco | 20035, 20081, 20000, 20209, 20479 |
| Philips | 20035, 20162, 20048, 20081, 20045, 20000, 20209, 20616, 20618, 20739, 21081, 21181 |
| Pilot | 20037 |
| Pioneer | 20162, 20081, 20042, 20067 |
| Polk Audio | 20081 |
| Presidian | 21593 |
| Proscan | 20060, 21060 |
| Protec | 20000 |
| Pulsar | 20039 |
| Quarter | 20046 |
| Quartz | 20035, 20046 |
| Quasar | 20035, 20162, 21035, 21162 |
| RadioShack | 20035, 20162, 20037, 20048, 20000, 20046, 21037, 21162 |
| Radix | 20037 |
| Randex | 20037 |
| RCA | 20060, 20035, 20048, 20045, 20000, 20042, 20149, 20807, 20880, 21035, 21060 |
| Realistic | 20035, 20162, 20037, 20048, 20000, 20121, 20046, 21162 |
| ReplayTV | 20614, 20616 |
| Ricavision | 21972 |
| Runco | 20039 |
| Samsung | 20060, 20045, 20000, 20038, 20739, 21014 |
| Sanky | 20048, 20039 |
| Sansui | 20000, 20067, 20209, 20479, 21479 |
| Sanyo | 20000, 20046, 20479 |
| Scott | 20184, 20045, 20121, 20043 |
| Sears | 20060, 20035, 20162, 20037, 20048, 20039, 20033, 20045, 20000, 20042, 20067, 20043, 20209, 20046, 21237 |
| Sharp | 20048, 20032, 20000, 20807, 20848 |
| Shintom | 20039, 20000 |
| Siemens | 20037 |
| Signature | 20060, 20035, 20037, 20048, 20000, 20149, 20046, 20479 |
| Singer | 20037 |
| Sonic Blue | 20614, 20616 |
| Sonographe | 20046 |
| Sony | 20035, 20032, 20033, 20000, 20067, 20046, 20636, 21032, 21232, 21972 |
| Soundmaster | 20000 |
| Stack 9 | 21972 |
| STS | 20042 |
| SV2000 | 20000 |
| SVA | 20000 |

| VCRs | |
|--------------------|--|
| Sylvania | 20035, 20081, 20000, 20043, 20593, 21593, 21781 |
| Symphonic | 20000, 20593, 21593 |
| Systemax | 21972 |
| Tagar Systems | 21972 |
| Tandy | 20000 |
| Tashiko | 20037 |
| Tatung | 20048, 20081, 20000, 20067 |
| Teac | 20000, 20067 |
| Technics | 20035, 20162, 20037, 20000 |
| Teknika | 20035, 20037, 20000 |
| Tevion | 20479 |
| Thomas | 20000 |
| Thomson | 20060 |
| Tivo | 20618, 20636, 20739, 21996 |
| TMK | 20000 |
| TNIX | 20037 |
| Toshiba | 20045, 20000, 20043, 20209, 20845, 21008, 21145, 21972, 21996 |
| Totevision | 20037 |
| Touch | 21972 |
| Trix | 20037 |
| Ultra | 20045 |
| Vector | 20045 |
| Vector Research | 20184, 20038 |
| Victor | 20067 |
| Video Concepts | 20045 |
| Videomagic | 20037 |
| Videosonic | 20000 |
| Viewsonic | 21972 |
| Villain | 20000 |
| Voodoo | 21972 |
| Wards | 20060, 20035, 20037, 20048, 20081, 20033, 20045, 20000, 20042, 20043, 20038, 20149, 20046, 20479 |
| Wharfedale | 20593 |
| White Westinghouse | 20000, 20209, 20479 |
| World | 20209, 20479 |
| XR-1000 | 20035, 20000 |
| Yamaha | 20038 |
| Zenith | 20037, 20039, 20033, 20000, 20209, 20479, 21479 |
| ZT Group | 21972 |

Video Accessories

| Video Accessories | |
|-------------------|---------------------|
| 2Wire | 02045 |
| ABS | 01272 |
| Access HD | 02185 |
| Accurian | 01653 |
| Alienware | 01272 |
| Amino | 01481 |
| AT&T | 00858, 02045 |
| Buffalo | 01739 |
| CASTi | 02305 |
| CyberPower | 01272 |
| D-Link | 01554, 01731, 02186 |
| Digital Stream | 02303 |
| Epson | 01563 |

Video Accessories

| | |
|--------------------|---------------------|
| Gateway | 01272 |
| Hewlett Packard | 01272, 01267 |
| Howard Computers | 01272 |
| HP | 01272, 01267 |
| Hush | 01272 |
| iBUYPOWER | 01272 |
| Insignia | 01415 |
| KoolConnect | 01481 |
| LG | 01415 |
| Linksys | 01272, 01365 |
| Media | Center PC 01272 |
| Microsoft | 01272, 02049 |
| Mind | 01272 |
| Motorola | 00858, 01363, 01998 |
| Netgear | 02036 |
| Niveus Media | 01272 |
| Northgate | 01272 |
| Panasonic | 01120 |
| Pioneer | 01010 |
| Ricavision | 01272 |
| Roku | 01486 |
| Samsung | 01190, 01490 |
| Scientific Atlanta | 00858 |
| Sensory Science | 01126 |
| Sharp | 01010 |
| SMC | 01456 |
| Sony | 01272, 01324, 01364 |
| Stack 9 | 01272 |
| SureWest | 01481 |
| Sylvania | 01563 |
| Systemax | 01272 |
| Tagar Systems | 01272 |
| Toshiba | 01272 |
| Touch | 01272 |
| Viewsonic | 01272, 01329 |
| Vizio | 01126 |
| Voodoo | 01272 |
| VUDU | 02298 |
| Xbox | 02049 |
| Zenith | 01415 |
| ZT Group | 01272 |

Cleaning the LCD screen

Clean the screen with a clean, soft, lint-free cloth. If additional cleaning is necessary, apply a small amount of non-ammonia, non-alcohol-based glass cleaner onto the cloth, then wipe the screen.

Troubleshooting

| Problem | Solution |
|---|---|
| Power | |
| No power | <ul style="list-style-type: none"> Make sure the power indicator is illuminated blue. Make sure the power cord is securely connected to the power jack and is plugged into a working power outlet. You may want to plug in another electrical device to the power outlet to make sure that it is supplying the correct voltage. |
| Power suddenly turns off | <ul style="list-style-type: none"> Press SLEEP repeatedly to make sure that the sleep option is turned off. |
| Remote control | |
| Remote control does not work | <ul style="list-style-type: none"> Press only one button at a time. Make sure the batteries are correctly inserted. Replace batteries with two new AA batteries. |
| Remote control code is not detected by a universal remote control | <ul style="list-style-type: none"> Purchase a separate learning remote control. Go to http://insigniaproducts.com/support for a list of remote control codes. |
| Remote control programming | |
| LED does not light when a button is pressed | <ul style="list-style-type: none"> Try pressing different keys. Replace batteries with two new AA batteries. |
| LED blinks when a button is pressed but device does not respond | <ul style="list-style-type: none"> Make sure the remote is aimed at your device and is not more than 40 feet (12 meters) away. |
| LED blinks one long blink while in SET mode | <ul style="list-style-type: none"> An entry error has occurred (for example, wrong button). Try entering the sequence again. |
| Remote does not control devices or commands are not working correctly | <ul style="list-style-type: none"> Try all listed codes for the device. Make sure the device operates with an infrared remote control. |
| No volume on a device | <ul style="list-style-type: none"> Refer to "Changing volume lock" on page 11 and make sure that the volume is not locked to a different mode already. |
| Channels do not change correctly when directly entering digits to change channels | <ul style="list-style-type: none"> If the original remote control required you to press ENTER to change channels, press ENTER on this remote after entering the channel number. |
| Picture | |

Maintaining

Cautions

- Make sure that your TV is turned off and the power cord is disconnected from the power outlet before cleaning your TV.
- Never spray or pour any liquid directly onto the LCD screen or the TV cabinet.
- Never use a solvent or alcohol to clean your TV and do not spray insecticide near your TV. Such chemicals may cause damage and discoloration to the exposed surfaces.

Cleaning the TV cabinet

Clean the TV cabinet with a soft, dry cloth. If surfaces are extremely dirty, slightly dampened the cloth with lukewarm water.

| Problem | Solution |
|---|--|
| No picture | <ul style="list-style-type: none"> Make sure the video input cable is securely connected to the correct terminal, and that the correct input mode is enabled. For example, when a VGA cable is connected to display a computer screen, the PC input mode must be enabled. In TV mode, verify that the antenna is correctly connected and that the preferred channel is enabled in the channel list. Press MENU, then select Picture to adjust the display settings. If you are using a Macintosh computer that is older than a G3 model, you need a Macintosh adapter. |
| No picture or the "Unsupported signal" or "No signal" message appears when a VGA cable is connected | <ul style="list-style-type: none"> Make sure the VGA cable is correctly connected to the TV's VGA port. Decrease the video resolution setting on the computer and try again. Press MENU, select Settings, then select Computer Settings to adjust the computer settings. |
| Picture is cut off or appears in a sidebar screen | <ul style="list-style-type: none"> Press ZOOM and make sure that the Normal option is selected. |
| Poor image quality in TV mode (cutoff picture, snowy images) | <ul style="list-style-type: none"> Check your antenna connection. If necessary, rotate the antenna and wait up to ten seconds for a signal. Reduce signal splitters and excessively long cables. Replace poor antenna cables or connectors to improve signal quality. Press ZOOM and make sure the Normal option is selected. Press MENU, select Picture, then select Advanced Video and adjust the Noise Reduction setting. In HDMI mode, make sure that the external device is compatible with your TV. |
| Wrong, abnormal, or missing colors | <ul style="list-style-type: none"> If any colors (red, green or blue) are missing, check the video cable to make sure it is securely connected. Loose or broken pins in the cable connector could cause a poor connection. Press MENU, select Picture, then select Settings to adjust the Color and Tint settings. You can also select Picture, then select Advanced Video to adjust the Color Temperature settings. Connect the TV to another computer to see if the problem is with the computer. |
| Audio | |
| No sound | <ul style="list-style-type: none"> Make sure the audio input cable is correctly connected to the correct terminal and that the correct input mode is enabled. The volume may be muted. Press MUTE or Vol+ button to turn on the volume. Press MENU, then select Audio to adjust the Bass, Treble, and Balance settings. If you are using an external audio device, make sure volume on the external audio device is turned on. |
| Password | |
| Password has been compromised | <ul style="list-style-type: none"> Change the password. See "Changing the password" on page 28. |

Specifications

Specifications subject to change without notice.

| Models | NS-L42Q120-10A/NS-L46Q120-10A | |
|-------------------------|-------------------------------|---|
| LCD panel | Panel | 42- or 46-inch active matrix full High-Definition TFT |
| | Motion control | 120 Hz MEMC (motion control, motion enhancement) chip |
| | Resolution | 1920 x 1080 (RGB vertical stripe) |
| | Color | 42-inch: 8 bit / 16.77 million 46-inch: 10 bit / 1.07 billion |
| | Viewing angle | 178° horizontal; 178° vertical |
| | Contrast ratio | 4000:1 |
| | Brightness | 400 nits |
| | Response time | 6.5 ms |
| | NS-L42Q120-10A | Dimensions (W × D × H) With stand: 41.1 × 12.22 × 29.32 in. (1043.94 × 310.47 × 744.77 mm) Without stand: 41.1 × 4.26 × 26.72 in. (1043.94 × 108.3 × 678.6 mm) Weight With stand: 46.3lb (21.0kg) Without stand: 39.6lb (17.97kg) |
| | NS-L46Q120-10A | Dimensions (W × D × H) With stand: 44.29 × 12.22 × 30.87 in. (1125 × 310.47 × 784 mm) Without stand: 44.29 × 4.13 × 28.48 in. (1125 × 105 × 723.41 mm) Weight With stand: 54.3lb (24.6kg) Without stand: 47.6lb (21.6kg) |
| Physical specifications | Standard | NTSC and ATSC |
| | Tuning system | Electronic tuning system |
| | Frequency range | VHF and UHF |
| | CATV | 135 channel, QAM channels |
| | Compatibility | 480i, 480p, 720p, 1080i, 1080p |
| TV | Input voltage | 120 VAC, 60 Hz, 3A |
| | Consumption | 42": 207w 115V 46": 244w 115V Off: <1 W |
| Power | | |
| Speaker output | 10 W (two channels) | |
| Terminals | AV 1 and 2 inputs | Video, audio L/R |
| | S-Video1 and 2 inputs | S-Video, audio L/R |
| | Component 1 and 2 inputs | Y, PB, Pr, audio L/R |
| | HDMI 1, 2, 3, and 4 | HDMI IN |
| | VGA | VGA input, audio (mini jack) |
| | Audio | Audio output, L/R (analog) SPDIF output (digital) |
| | Antenna | F type |
| Image processor | Broadcom Xileon™ X243 | |

| | | |
|-----------------------------|----------------------|-------------------------------------|
| Operating conditions | Temperature | 15 to 35°C (humidity < 75%) |
| | Humidity | 20 to 90% non-condensing (Ta < 35%) |
| | Atmospheric pressure | 0 to 2,000 m |

Package contents

- Remote control
- Remote control holder
- Batteries AA (2)
- AC power cord
- TV stand
- TV base cover
- Screws for TV stand
- Component video cable
- Audio cable
- Cleaning cloth

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

DHHS and FDA safety certification

This product is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003. Standard Television Receiving Apparatus — Appareil de réception télévision ordinaire, Canada BETS-7 / NTMR-7

RSS 310 statement

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that permitted for successful communication.

Two-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of two (2) years from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 2 years (730 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insignia-products.com

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09-0836